Ohio Labor Market Information
BUREAU OF EMPLOYMENT SERV
JOB SERVICE OF OHIO
JAMES A. RHODES, *Governor*
GARY E. STEIN, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
NOVEMBER 1982

Unemployment in Ohio, at 709,000 in November, represented nearly one-seventh (14.0 percent) of the civilian labor force--up from 681,000, or 13.2 percent, in October. Total employment declined 2.6 percent, to 4,367,000. Layoffs of factory workers, coupled with seasonal curtailments among several nonmanufacturing industries, lowered nonfarm payrolls .3 percent, to 4,190,000.

Employment in Ohio's manufacturing industries totaled 1,074,000 in November, down 1.2 percent from October. The economic slump continued to plague the automotive and steel industries. Auto makers and producers of stamped-metal parts and wire reported layoffs due to lack of orders. Additional cutbacks lowered employment in basic steel to 51,000--lowest on record for any strike-free month. Producers of construction machinery were also down due to fewer orders. Employment in food processing declined seasonally.

Nonmanufacturing employment totaled 3,117,000 in November, unchanged from October. Inclement weather forced slowdowns in outdoor activities, notably construction and amusements. Eating and drinking places also dipped seasonally. Losses were tempered, however, by pre-Christmas hiring among department, apparel, and food stores, and by gains in education.

Average weekly earnings of Ohio's factory production workers rose nearly $5 from October, to $409.24 in November. The average workweek, at 40.2 hours, was .3 hours longer. More overtime boosted earnings in the production of metal forgings and stampings, metalworking machinery, and electric lighting and wiring equipment. Paper mills reported higher earnings due to wage-rate increases. Hourly-rate hikes, coupled with premium overtime, lifted earnings among bakeries. Producers of construction machinery and communication equipment, however, curtailed their overtime in November.

Jobless Ohioans increased by nearly 150,000 between November 1981 and November 1982, lifting the unemployment rate from 10.9 to 14.0 percent. Total employment dropped 4.2 percent over the year, as nonfarm payrolls declined 3.5 percent. Most manufacturing industries slipped well below their corresponding 1981 levels, with heaviest losses occurring among primary metals, nonelectrical machinery, and metal fabricating. Declines in retailing, construction, and transportation, communication, and utilities lowered nonmanufacturing employment, despite gains among service industries. Factory production workers grossed $11 more per week in November 1982 than in November 1981, although the average workweek was shorter by half-an-hour.

For additional Labor Market Information, write
WILLIAM PAPIER, *Director of Research and Statistics,* BUREAU OF EMPLOYMENT SERVICES, COLUMBUS 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Nonagricultural wage and salary employment in the Akron area totaled 254,700 in November, down 400 from October. Manufacturing--down 800, to 68,000--accounted for the loss, due to cutbacks in metal forgings and stampings, and in construction machinery. Nonmanufacturing, on the other hand, advanced as seasonal decreases in construction were offset by gains in retailing. Average hourly earnings of factory production workers increased marginally, to $9.94. Average weekly hours, at 40.7, were up .2 hours.

Canton.--Nonfarm establishments in Canton employed 151,400 wage and salary workers in November, on par with October. Seasonal increases in retail trade and government education boosted nonmanufacturing for the month. Manufacturing slipped fractionally, to 47,600 in November. The average workweek for factory production workers, at 39.4 hours, was .8 hours longer. Average hourly earnings increased 3¢, to $10.48 in November.

Cincinnati.--Cincinnati's nonagricultural wage and salary employment declined 1,800 from October, to 585,700 in November. The decrease occurred in nonmanufacturing, as seasonal gains in retail trade only partially offset losses in construction and services. Manufacturing remained virtually unchanged, at 150,100, as losses in durable goods offset dispute settlements in nondurables. The hourly earnings of the average production worker, at $9.72 an hour, were up 9¢ from October. The average workweek, at 41.2 hours, was one hour longer.

Cleveland.--Workers on nonfarm payrolls in Cleveland numbered 851,900 in November, down 1,300 from October. Widespread decreases in durable-goods industries lowered manufacturing to 219,400, down 2,300 for the month. Nonmanufacturing increased, however, as retailers began gearing up for the holiday season. Production workers in factories grossed $10.22 per hour, up 7¢ from October. Their average workweek, at 39.3 hours, was slightly longer.

Columbus.--Columbus' nonagricultural wage and salary employment totaled 512,700 in November, up 1,100 from October. Seasonal expansion in retail trade boosted nonmanufacturing, accounting for the overall gain. Manufacturing decreased 200, to 88,000 in November. Production workers in manufacturing industries grossed $9.50 per hour in November, little changed from the previous month. The average workweek, at 40.4 hours, was .7 hours longer.

Dayton.--Nonagricultural establishments in Dayton employed 344,800 wage and salary workers in November, down 2,500 from October. Manufacturing decreased 2,700, to 85,100 for the month, due largely to cutbacks in orders for transportation equipment. Gains in education and retailing lifted nonmanufacturing, despite losses in construction and services. The average factory production worker grossed $9.92 per hour, down 10¢ from October. His workweek dipped .3 hours, to 39.0 for the month.

Toledo.--November nonfarm payroll employment in Toledo totaled 287,200, representing a loss of 700 from October. Seasonal decreases in construction and services lowered nonmanufacturing for the month. Manufacturing decreased 300, to 66,200 in November, with minimal losses reported among several component industries. The average factory production workweek, at 41.4 hours, was little changed from October. Average hourly earnings, at $11.07, were up 6¢ for the month.

Youngstown-Warren.--Nonfarm payroll employment in the Youngstown-Warren area decreased 4,100 from October, to 181,800 in November. Fewer orders for motor vehicles and automotive components were chiefly responsible for the decline in factory employment--down 4,200, to 49,500 in November. Nonmanufacturing increased slightly for the month. The average workweek of factory production workers rose .3 hours, to 39.6 hours. Hourly earnings, at $11.55, increased slightly in November.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 12-17-82

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1971	244.1	138.1	501.9	829.3	410.9	317.4	263.7	198.1
1972	248.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	600.6	895.6	509.8	355.7	293.1	203.1
1981	259.0	157.3	593.9	880.8	508.3	353.4	290.9	199.1
1981								
November.	261.1	157.9	597.1	883.6	515.6	357.0	292.3	201.8
December.	260.6	157.0	596.2	875.6	514.7	356.1	290.8	193.1
1982								
January .	252.2	152.9	576.7	856.1	499.9	349.0	281.9	191.8
February.	252.4	152.0	574.8	854.9	498.6	345.5	281.6	185.4
March ...	253.4	152.5	579.6	856.0	501.8	345.3	283.4	187.9
April ...	255.1	153.2	585.4	860.8	504.1	346.3	285.5	186.8
May	257.3	154.6	589.4	866.1	506.3	346.6	288.6	190.4
June	252.1	155.9	592.5	870.1	509.2	347.8	288.1	191.4
July	251.0	155.0	581.7	861.6	501.6	342.7	280.2	187.5
August ..	250.9	153.4	582.4	857.7	502.5	341.0	281.3	183.3
September	255.7	153.3	588.9	856.9	505.4	348.0	287.5	187.4
October .	255.1	151.3	587.5	853.3	511.7	347.3	287.9	185.9
November.	254.7	151.4	585.7	851.9	512.7	344.8	287.2	181.8
	MANUFACTURING EMPLOYMENT (in thousands)							
1971	91.7	58.6	160.1	273.5	98.4	112.8	86.2	88.4
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.6	79.9
1980	79.2	55.7	162.5	254.9	96.8	99.3	75.4	70.8
1981	75.9	55.3	158.4	247.4	93.6	97.8	74.0	67.7
1981								
November.	74.9	55.1	158.6	245.9	93.2	98.0	71.5	68.3
December.	74.3	54.0	156.7	236.9	92.0	96.7	70.1	59.9
1982								
January .	73.0	52.7	151.9	238.0	91.0	95.7	68.5	63.6
February.	72.1	52.1	149.6	236.9	89.9	93.0	68.8	56.8
March ...	71.9	51.8	150.9	234.3	89.2	91.2	68.7	58.7
April ...	71.6	50.7	150.5	233.2	88.4	90.6	68.4	55.9
May	71.4	51.0	151.0	232.6	87.8	90.2	69.0	57.8
June	70.8	52.1	151.7	232.8	88.5	90.7	69.2	57.6
July	69.4	51.7	149.3	228.9	88.3	90.6	67.2	56.8
August ..	69.2	50.3	150.1	226.6	88.0	88.5	68.8	52.7
September	69.6	49.8	151.1	227.7	88.3	89.7	69.1	55.1
October .	68.8	47.7	150.2	221.7	88.2	87.8	66.5	53.7
November.	68.0	47.6	150.1	219.4	88.0	85.1	66.2	49.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1971	53.8	43.2	111.5	187.4	68.8	82.9	60.6	70.6
1972	53.5	42.2	110.7	188.7	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.9	40.0	104.3	162.3	61.6	64.4	48.8	51.1
1981								
November.	41.9	39.4	104.6	159.4	61.1	64.6	47.1	51.7
December.	41.4	38.3	102.8	150.4	60.1	63.4	45.9	43.8
1982								
January .	40.2	37.1	98.7	152.0	59.3	62.4	44.3	47.2
February.	39.4	36.6	96.8	151.4	58.2	59.8	44.8	41.2
March ...	39.3	36.2	98.2	149.0	57.5	58.4	44.8	42.8
April ...	39.2	35.2	97.7	148.2	56.8	57.9	44.7	40.4
May	39.1	35.7	98.3	147.7	56.3	57.8	45.1	41.9
June	38.5	36.9	99.1	148.0	57.0	58.4	45.3	42.0
July	37.2	36.4	96.8	144.6	56.9	58.1	43.3	41.1
August ..	37.1	35.3	97.3	142.4	56.7	56.2	45.0	37.3
September	37.7	35.0	98.3	144.3	56.8	57.5	45.5	39.5
October .	37.1	33.2	97.6	138.8	56.5	56.0	43.1	38.4
November.	36.4	33.2	97.5	137.0	56.3	53.4	42.9	34.7
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1971	40.6	38.9	41.0	40.6	39.6	40.6	41.4	41.4
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.8
1981								
November.	41.5	39.8	41.0	40.8	40.3	41.0	40.7	40.4
December.	42.4	40.2	41.1	40.7	40.4	41.1	41.3	39.1
1982								
January .	40.6	38.2	39.8	38.8	39.5	39.5	39.7	39.1
February.	41.6	39.3	39.8	40.2	39.8	40.0	41.0	39.3
March ...	41.2	38.7	39.9	40.1	39.4	39.5	40.9	39.1
April ...	40.8	38.9	40.2	40.1	39.4	35.8	40.3	38.6
May	41.0	38.9	40.6	40.5	39.7	40.0	41.0	39.3
June	41.5	39.4	41.0	41.0	40.1	41.2	41.8	40.1
July	41.0	38.6	40.4	40.0	39.4	41.1	41.8	39.4
August ..	40.2	38.5	40.7	40.1	39.6	40.3	41.4	37.9
September	41.0	39.3	40.5	39.6	39.8	39.8	41.7	39.5
October .	40.5	38.6	40.2	39.2	39.7	39.3	41.3	39.3
November.	40.7	39.4	41.2	39.3	40.4	39.0	41.4	39.6

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1971	$4.36	$4.09	$3.89	$4.15	$3.77	$4.49	$4.26	$4.46
1972	4.68	4.48	4.15	4.50	4.06	4.74	4.67	4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1981								
November.	9.70	10.01	9.08	9.83	9.05	9.88	10.22	11.69
December.	9.71	10.09	9.14	9.71	9.07	9.95	10.46	11.59
1982								
January .	9.73	9.95	9.26	9.82	9.04	9.92	10.58	11.73
February.	9.77	10.05	9.24	9.86	9.05	9.82	10.70	11.70
March ...	9.83	10.01	9.41	9.93	9.12	9.84	10.80	11.69
April ...	9.80	10.08	9.43	9.99	9.18	9.94	10.80	11.59
May	9.78	10.13	9.53	10.12	9.27	10.06	10.91	11.70
June	9.81	10.24	9.62	10.25	9.31	10.42	10.98	11.71
July	9.68	10.15	9.64	10.22	9.37	10.28	11.06	11.85
August ..	9.79	10.34	9.60	10.18	9.40	10.06	10.91	11.64
September	9.91	10.38	9.66	10.26	9.47	10.09	10.88	11.75
October .	9.92	10.45	9.63	10.15	9.49	10.02	11.01	11.54
November.	9.94	10.48	9.72	10.22	9.50	9.92	11.07	11.55
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1971	$177.02	$159.10	$159.49	$168.49	$149.29	$182.29	$176.36	$184.64
1972	197.03	181.89	173.89	190.35	164.02	201.45	196.14	201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	395.38	346.80	397.85	406.14	474.10
1981								
November.	402.55	398.40	372.28	401.06	364.72	405.08	415.95	472.28
December.	411.70	405.62	375.65	395.20	366.43	408.95	432.00	453.17
1982								
January .	395.04	380.09	368.55	381.02	357.08	391.84	420.03	458.64
February.	406.43	394.97	367.75	396.37	360.19	392.80	438.70	459.81
March ...	405.00	387.39	375.46	398.19	359.33	388.68	441.72	457.08
April ...	399.84	392.11	379.09	400.60	361.69	395.61	435.24	447.37
May	400.98	394.06	386.92	409.86	368.02	402.40	447.31	459.81
June	407.12	403.46	394.42	420.25	373.33	429.30	458.96	469.57
July	396.88	391.79	389.46	408.80	369.18	422.51	462.31	466.89
August ..	393.56	398.09	390.72	408.22	372.24	405.42	451.67	441.16
September	406.31	407.93	391.23	406.30	376.91	401.58	453.70	464.13
October .	401.76	403.37	387.13	397.88	376.75	393.79	454.71	453.52
November.	404.56	412.91	400.46	401.65	383.80	386.88	458.30	457.38

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
AKRON[b]					CANTON[c]				
1971	277.7	261.3	16.3	5.9	1971	164.9	152.3	12.6	7.6
1972	282.2	267.3	14.8	5.3	1972	165.6	155.3	10.3	6.2
1973	287.1	274.9	12.2	4.3	1973	171.2	163.1	8.1	4.7
1974	290.8	277.7	13.0	4.5	1974	175.6	167.5	8.1	4.6
1975	292.0	264.3	27.7	9.5	1975	174.7	158.0	16.7	9.6
1976	291.3	266.3	25.0	8.6	1976	174.4	158.6	15.8	9.1
1977	294.2	274.7	19.5	6.6	1977	175.9	163.1	12.9	7.3
1978	298.9	282.2	16.7	5.6	1978	179.9	170.0	9.9	5.5
1979	303.8	285.4	18.4	6.1	1979	184.3	173.7	10.6	5.7
1980	303.9	278.2	25.7	8.5	1980	187.7	170.8	16.8	9.0
1981	301.8	273.2	28.6	9.5	1981	188.1	170.1	18.0	9.6
1981					1981				
October	302.2	273.7	28.6	9.4	October	187.0	169.5	17.5	9.4
November	304.6	272.2	32.4	10.6	November	188.8	168.9	19.9	10.5
December	302.7	269.0	33.7	11.1	December	187.8	166.2	21.6	11.5
1982					1982				
January	298.4	264.2	34.2	11.5	January	187.7	164.1	23.6	12.6
February	295.5	260.4	35.1	11.9	February	184.6	161.0	23.6	12.8
March	297.2	261.9	35.3	11.9	March	187.3	161.9	25.4	13.6
April	299.7	265.7	34.0	11.4	April	188.5	163.9	24.6	13.1
May	301.5	270.4	31.1	10.3	May	190.3	167.0	23.3	12.2
June	305.4	269.9	35.4	11.6	June	196.5	170.8	25.7	13.1
July	310.8	273.2	37.6	12.1	July	201.7	172.7	29.1	14.4
August	309.8	272.2	37.6	12.1	August	199.0	170.2	28.8	14.5
September	305.7	269.7	36.0	11.8	September	192.6	166.4	26.2	13.6
October[p]	306.5	268.6	37.8	12.3	October[p]	196.3	165.0	31.3	15.9
CINCINNATI[d]					CLEVELAND[e]				
1971	550.0	516.0	34.0	6.2	1971	866.7	811.7	55.0	6.3
1972	561.0	529.0	32.0	5.7	1972	873.2	825.2	48.0	5.5
1973	572.0	543.0	29.0	5.1	1973	883.9	849.0	34.9	3.9
1974	595.3	569.8	25.5	4.3	1974	899.1	861.4	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	896.9	826.3	70.6	7.9
1976	604.8	566.6	38.2	6.3	1976	897.7	834.4	63.3	7.0
1977	623.4	588.7	34.7	5.6	1977	908.5	854.4	54.0	5.9
1978	648.3	615.8	32.5	5.0	1978	921.7	878.5	43.2	4.7
1979	663.4	628.1	35.3	5.3	1979	935.8	889.1	46.7	5.0
1980	676.2	628.6	47.5	7.0	1980	937.1	869.0	68.2	7.3
1981	678.6	619.2	59.5	8.8	1981	929.2	850.8	78.4	8.4
1981					1981				
October	678.9	616.1	62.7	9.2	October	923.6	843.7	79.9	8.7
November	684.3	617.1	67.2	9.8	November	931.4	844.3	87.1	9.4
December	679.4	611.6	67.8	10.0	December	921.1	829.1	92.1	10.0
1982					1982				
January	665.4	594.4	71.1	10.7	January	905.6	821.3	84.4	9.3
February	657.0	585.6	71.4	10.9	February	892.2	809.1	83.0	9.3
March	664.3	591.2	73.0	11.0	March	903.7	811.3	92.5	10.2
April	669.7	601.4	68.3	10.2	April	910.4	821.7	88.6	9.7
May	675.9	611.2	64.7	9.6	May	921.3	834.7	86.5	9.4
June	696.8	622.8	74.0	10.6	June	953.0	849.8	103.2	10.8
July	696.7	622.5	74.2	10.6	July	958.8	855.9	102.9	10.7
August	695.4	622.7	72.7	10.5	August	954.2	848.8	105.4	11.0
September	690.0	619.4	70.6	10.2	September	926.4	827.6	98.7	10.7
October[p]	696.1	618.5	77.6	11.1	October[p]	936.9	825.5	111.4	11.9

---

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data are geared to 1980 Census. [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
COLUMBUS[f]				
1971	445.6	425.6	20.0	4.5
1972	469.1	450.2	18.9	4.0
1973	485.5	468.3	17.1	3.5
1974	495.4	475.5	19.9	4.0
1975	495.0	458.6	36.5	7.4
1976	503.6	468.5	35.1	7.0
1977	513.4	483.3	30.1	5.9
1978	531.4	506.5	24.9	4.7
1979	543.0	517.1	25.8	4.8
1980	554.7	523.3	31.5	5.7
1981	562.5	518.7	43.8	7.6
1981				
October	565.5	519.2	46.3	8.2
November	570.6	520.4	50.2	8.8
December	563.4	514.2	49.2	8.7
1982				
January	554.8	506.0	48.8	8.8
February	547.5	498.2	49.4	9.0
March	553.8	502.5	51.4	9.3
April	559.6	508.8	50.8	9.1
May	564.4	516.4	48.0	8.5
June	582.0	528.1	53.8	9.2
July	581.1	528.3	52.8	9.1
August	580.3	526.7	53.6	9.2
September	566.5	516.9	49.7	8.8
October[p]	574.0	522.8	51.1	8.9
TOLEDO[h]				
1971	319.3	300.3	19.1	6.0
1972	329.4	311.3	18.1	5.5
1973	339.8	324.2	15.6	4.6
1974	343.8	324.2	19.7	5.7
1975	344.8	310.2	34.6	10.0
1976	347.8	319.4	28.4	8.2
1977	355.0	329.4	25.6	7.2
1978	362.1	339.7	22.4	6.2
1979	368.2	341.7	26.4	7.2
1980	367.7	329.7	38.0	10.3
1981	366.9	327.3	39.6	10.8
1981				
October	370.6	329.0	41.6	11.2
November	368.8	326.1	42.6	11.6
December	365.4	319.9	45.5	12.4
1982				
January	361.0	313.4	47.6	13.2
February	355.7	310.0	45.7	12.8
March	360.2	312.1	48.2	13.4
April	362.5	317.5	45.0	12.4
May	365.1	325.3	39.8	10.9
June	374.5	329.8	44.7	11.9
July	374.3	327.1	47.2	12.6
August	371.6	326.3	45.3	12.2
September	368.8	323.8	45.0	12.2
October[p]	374.6	325.5	49.1	13.1

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
DAYTON[g]				
1971	349.5	326.1	23.3	6.7
1972	353.5	336.2	17.3	4.9
1973	358.0	343.5	14.5	4.1
1974	359.5	342.5	17.0	4.7
1975	357.6	327.7	29.9	8.4
1976	360.5	336.3	24.2	6.7
1977	368.6	348.3	20.3	5.5
1978	381.1	363.7	17.3	4.6
1979	392.2	367.9	24.2	6.2
1980	390.2	360.9	29.3	7.5
1981	389.8	357.4	32.4	8.3
1981				
October	389.7	356.4	33.3	8.5
November	393.8	357.1	36.7	9.3
December	391.4	352.2	39.2	10.0
1982				
January	389.5	349.7	39.8	10.2
February	383.4	341.7	41.7	10.9
March	387.5	342.3	45.2	11.7
April	389.7	346.2	43.5	11.2
May	390.3	350.0	40.3	10.3
June	402.2	356.2	46.1	11.5
July	401.3	356.8	44.5	11.1
August	398.9	353.3	45.5	11.4
September	394.7	351.8	42.9	10.9
October[p]	396.9	351.3	45.7	11.5
YOUNGSTOWN-WARREN[i]				
1971	225.1	207.1	18.0	8.0
1972	226.9	212.1	14.8	6.5
1973	232.5	221.8	10.8	4.6
1974	236.7	223.7	13.0	5.5
1975	236.7	209.8	26.9	11.4
1976	234.2	210.5	23.7	10.1
1977	234.0	215.0	19.0	8.1
1978	235.2	217.5	17.7	7.5
1979	237.1	219.9	17.1	7.2
1980	238.4	210.4	28.0	11.7
1981	233.1	205.3	27.7	11.9
1981				
October	230.2	204.9	25.3	11.0
November	235.0	205.6	29.4	12.5
December	232.0	195.0	37.1	16.0
1982				
January	232.6	196.1	36.5	15.7
February	232.8	187.2	45.6	19.6
March	231.2	190.0	41.1	17.8
April	236.5	190.4	46.2	19.5
May	236.5	195.8	40.7	17.2
June	244.2	199.7	44.6	18.2
July	243.4	199.0	44.4	18.2
August	245.9	194.3	51.6	21.0
September	238.6	193.7	45.0	18.8
October[p]	241.0	193.4	47.5	19.7

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data are geared to 1980 Census. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1971	4,416	4,190	286	6.5	5.9
1972	4,510	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,086	4,660	426	8.4	7.1
1981	5,085	4,595	490	9.6	7.6
1981					
November.	5,121	4,560	561	10.9	7.9
December.	5,073	4,473	600	11.8	8.3
1982					
January .	5,032	4,434	598	11.9	9.4
February.	4,967	4,361	606	12.2	9.6
March ...	5,014	4,398	616	12.3	9.5
April ...	5,050	4,444	606	12.0	9.2
May	5,092	4,526	566	11.1	9.1
June	5,251	4,607	644	12.3	9.8
July	5,261	4,617	644	12.2	9.8
August ..	5,235	4,578	657	12.5	9.6
September	5,122	4,493	629	12.3	9.7
October .	5,163	4,482	681	13.2	9.9
November.	5,075	4,367	709	14.0	10.4

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1971	3,839.5	1,333.8	2,505.7
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.5	3,102.8
1981	4,323.1	1,232.5	3,090.5
1981			
November.	4,342.7	1,211.9	3,130.8
December.	4,301.4	1,173.8	3,127.6
1982			
January .	4,190.3	1,167.1	3,023.2
February.	4,171.8	1,148.9	3,022.8
March ...	4,192.5	1,147.4	3,045.1
April ...	4,216.6	1,132.2	3,084.4
May	4,244.4	1,129.5	3,114.9
June	4,256.2	1,133.5	3,122.7
July	4,194.7	1,118.8	3,075.9
August ..	4,179.0	1,106.4	3,072.6
September	4,217.3	1,114.0	3,103.3
October .	4,204.0	1,086.9	3,117.0
November.	4,190.2	1,073.6	3,116.6

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1971	20.8	155.2	223.8	185.5	597.3	158.6	587.4	577.2
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.4	726.6	203.8	830.9	689.9
1981	30.3	154.2	218.4	230.7	715.3	205.2	856.2	680.2
1981								
November.	32.4	161.3	220.5	231.1	728.1	205.6	864.9	686.9
December.	32.2	149.0	220.1	231.2	740.2	206.3	860.2	688.6
1982								
January .	31.8	126.5	213.4	228.4	692.5	204.5	849.7	676.4
February.	31.7	122.7	212.1	227.7	681.4	204.2	858.2	684.8
March ..	31.8	128.4	211.9	228.8	687.3	204.6	866.5	685.9
April ...	32.4	138.7	214.0	229.4	700.0	205.1	882.1	682.7
May	32.9	145.6	215.1	229.6	708.5	205.8	890.1	687.3
June	33.1	149.0	216.2	230.9	710.8	207.7	900.1	674.7
July	32.8	152.4	215.0	230.5	707.4	208.6	896.1	633.2
August ..	31.9	154.0	214.4	230.2	709.1	208.1	897.8	627.1
September	32.7	153.7	213.6	229.9	711.6	206.9	904.1	650.8
October .	32.0	153.6	211.3	230.2	707.3	206.2	901.2	675.2
November.	32.0	148.6	210.6	229.7	714.2	206.4	894.9	680.1

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1971	1,333.8	936.1	397.7	958.1	$160.7	39.0
1972	1,346.8	948.8	398.0	977.6	181.0	40.7
1973	1,426.3	1,018.2	408.1	1,045.0	210.4	44.2
1974	1,416.6	1,013.1	403.5	1,026.5	217.0	42.3
1975	1,267.5	892.4	375.1	899.3	201.9	36.2
1976	1,295.3	910.6	384.6	922.0	232.8	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.5	882.6	382.0	867.8	301.9	35.2
1981	1,232.5	858.9	373.6	847.6	330.4	34.7
1981						
November.	1,211.9	841.1	370.8	830.6	331.0	33.8
December.	1,173.8	807.0	366.8	794.3	316.3	32.4
1982						
January .	1,167.1	804.8	362.3	789.1	305.8	31.0
February.	1,148.9	789.3	359.7	773.7	306.2	31.0
March ...	1,147.4	789.7	357.7	773.5	306.2	30.9
April ...	1,132.2	776.2	356.1	759.7	302.2	30.3
May	1,129.5	773.4	356.1	757.5	305.7	30.5
June	1,133.5	777.0	356.5	762.1	315.4	31.0
July	1,118.8	765.2	353.6	748.2	305.1	30.0
August ..	1,106.4	750.5	355.8	737.0	298.0	29.5
September	1,114.0	755.8	358.2	745.2	306.0	30.0
October .	1,086.9	735.9	351.0	720.4	291.5	28.7
November.	1,073.6	723.4	350.2	709.4	290.3	28.5

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1971	$167.68	$171.36	$158.77	40.7	40.8	40.4	$4.12	$4.20	$3.93
1972	185.12	190.19	172.60	41.6	41.8	40.9	4.45	4.55	4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1981									
November.	398.45	410.26	367.43	40.7	40.7	40.6	9.79	10.08	9.05
December.	398.21	409.22	372.91	40.8	40.8	40.8	9.76	10.03	9.14
1982									
January .	387.50	395.69	366.83	39.3	39.1	39.7	9.86	10.12	9.24
February.	395.79	405.60	373.30	40.1	40.0	40.4	9.87	10.14	9.24
March ...	395.81	406.36	370.93	39.9	39.8	40.1	9.92	10.21	9.25
April ...	397.80	407.55	374.00	39.9	39.8	40.0	9.97	10.24	9.35
May	403.61	414.63	377.21	40.2	40.1	40.3	10.04	10.34	9.36
June	413.92	426.54	381.92	40.7	40.7	40.5	10.17	10.48	9.43
July	407.82	419.60	379.22	40.1	40.0	40.3	10.17	10.49	9.41
August ..	404.40	415.51	379.89	40.0	39.8	40.5	10.11	10.44	9.38
September	410.66	421.60	385.28	40.3	40.0	40.9	10.19	10.54	9.42
October .	404.59	416.31	378.95	39.9	39.8	40.1	10.14	10.46	9.45
November.	409.24	420.25	385.97	40.2	40.1	40.5	10.18	10.48	9.53

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
EMPLOYMENT (in thousands)									
1971	68.7	158.5	160.0	200.0	127.4	155.2	80.4	68.2	99.3
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.9	67.4	92.7
1981	61.2	137.9	154.6	203.5	102.0	136.5	70.5	66.3	89.0
1981									
November.	60.4	134.3	152.9	198.8	100.1	132.4	69.9	66.2	87.5
December.	58.2	125.0	148.3	196.6	97.8	119.5	70.0	66.0	84.8
1982									
January .	55.4	126.0	143.3	193.2	97.9	129.8	68.3	65.6	84.0
February.	55.3	123.5	141.1	191.0	97.4	121.3	68.2	65.8	82.1
March ...	54.5	122.6	140.3	189.0	96.9	126.9	68.0	65.2	81.6
April ...	54.0	117.8	139.5	185.9	95.9	123.3	67.5	64.8	81.2
May	54.2	115.3	138.6	183.3	95.4	126.6	67.6	64.2	81.6
June	54.9	116.4	138.4	181.2	96.0	129.2	68.7	63.6	81.5
July	55.0	114.2	135.3	177.3	95.3	127.9	68.6	62.7	80.3
August ..	54.2	113.0	133.4	175.1	93.7	120.4	71.2	62.4	79.9
September	54.6	111.8	134.5	174.0	93.1	126.7	72.4	62.4	80.1
October .	54.2	104.7	131.0	168.8	92.0	125.0	69.2	62.1	77.3
November.	53.0	101.2	129.9	167.0	91.6	121.3	68.3	62.1	78.2
AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS									
1971	$162.96	$177.36	$173.40	$169.33	$159.20	$198.55	$163.49	$173.82	$162.80
1972	175.14	204.61	187.87	193.46	164.42	219.99	173.43	187.21	180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1981									
November.	361.97	488.03	391.78	402.26	357.86	481.31	378.84	363.65	376.58
December.	359.31	476.80	398.05	403.38	361.34	480.24	379.61	368.16	386.75
1982									
January .	354.09	465.17	369.95	385.66	353.70	464.07	367.54	360.43	369.03
February.	361.00	479.97	387.89	391.55	365.82	476.49	376.28	365.00	382.94
March ...	371.18	466.29	393.03	390.98	361.43	485.44	377.29	357.00	376.25
April ...	368.15	473.14	397.79	387.68	364.05	493.07	380.42	352.08	376.14
May	372.20	473.07	400.57	387.29	366.96	522.22	385.40	358.45	380.55
June	379.86	495.67	408.18	401.79	366.16	541.37	390.45	354.52	395.37
July	380.14	488.71	405.73	390.04	358.75	528.24	385.02	351.50	385.70
August ..	380.83	496.98	399.35	391.24	365.98	502.18	389.06	351.22	385.15
September	393.65	492.35	401.32	394.18	364.94	528.58	400.26	357.27	380.57
October .	386.78	477.98	401.37	399.78	374.46	502.94	387.28	355.15	368.54
November.	392.47	481.73	408.83	393.00	375.48	517.28	390.32	362.70	384.20

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
NOVEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1982[b]	October 1982[c]	November 1981[c]	October 1982	November 1981
TOTAL	4190.2	4204.0	4342.7	- .3	- 3.5
MANUFACTURING	1073.6	1086.9	1211.9	- 1.2	- 11.4
Durable Goods[e]	723.4	735.9	841.1	- 1.7	- 14.0
Lumber and wood products	12.9	12.9	13.4	.0	- 3.9
Furniture and fixtures	13.3	13.6	13.7	- 2.0	- 2.5
Household furniture	6.0	6.3	5.9	- 4.1	2.5
Stone, clay, and glass products	53.0	54.2	60.4	- 2.1	- 12.2
Glass and glassware, pressed or blown	13.4	13.6	14.9	- 1.5	- 10.1
Structural clay products	4.4	4.6	5.6	- 4.2	- 22.1
Pottery and related products	6.0	6.1	6.8	- 1.5	- 12.0
Primary metal industries	101.2	104.7	134.3	- 3.3	- 24.7
Blast furnace and basic steel products	51.1	53.0	70.5	- 3.5	- 27.5
Iron and steel foundries	20.8	20.6	27.5	1.0	- 24.2
Nonferrous rolling and drawing	15.9	17.4	19.5	- 8.8	- 18.4
Nonferrous foundries	7.6	7.8	9.2	- 2.6	- 17.3
Fabricated metal products	129.9	131.0	152.9	- .8	- 15.0
Cutlery, hand tools, and hardware	9.7	9.8	12.6	- .8	- 23.0
Plumbing and heating, except electric	4.6	4.5	5.0	2.0	- 9.5
Fabricated structural metal products	32.6	32.7	36.1	- .4	- 9.8
Screw machine products, bolts, etc.	8.7	8.7	10.7	- .6	- 18.6
Metal forgings and stampings	34.9	35.6	43.5	- 2.0	- 19.8
Machinery, except electrical	167.0	168.8	198.8	- 1.1	- 16.0
Construction and related machinery	19.0	19.3	24.9	- 1.7	- 23.7
Metalworking machinery	44.7	45.5	54.2	- 1.7	- 17.5
Special industry machinery	18.6	18.8	20.8	- .9	- 10.7
General industrial machinery	31.8	31.8	38.7	- .1	- 17.9
Electric and electronic equipment	91.6	92.0	100.1	- .4	- 8.5
Electrical industrial apparatus	19.0	19.1	23.1	- .8	- 17.8
Household appliances	15.1	15.2	17.1	- .7	- 12.0
Electric lighting and wiring equipment	18.5	18.5	19.5	- .1	- 5.3
Communication equipment	12.2	12.1	11.8	1.2	3.2
Transportation equipment	121.3	125.0	132.4	- 2.9	- 8.4
Motor vehicles and equipment	74.7	78.6	87.2	- 4.9	- 14.3
Aircraft and parts	38.0	37.8	36.2	.5	5.2
Instruments and related products	19.9	20.0	21.6	- .5	- 7.8
Measuring and controlling devices	11.4	11.7	13.0	- 2.3	- 12.4
Nondurable Goods[f]	350.2	351.0	370.8	- .2	- 5.5
Food and kindred products	68.3	69.2	69.9	- 1.4	- 2.4
Meat products	10.9	10.9	11.7	.4	- 6.5
Dairy products	11.0	11.0	11.5	- .4	- 5.1
Bakery products	11.0	11.2	11.4	- 1.2	- 3.5
Beverages	10.9	10.8	10.8	.9	.6
Textile mill products	4.2	4.3	4.7	- 2.3	- 10.8
Apparel and other textile products	17.3	17.2	17.6	.4	- 1.8
Paper and allied products	34.7	34.9	37.5	- .7	- 7.4
Paper mills, except building paper	8.7	8.8	9.4	- .6	- 7.0
Misc. converted paper products	11.2	11.1	11.9	.8	- 6.1
Paperboard containers and boxes	11.6	11.9	12.6	- 2.2	- 7.5
Printing and publishing	62.1	62.1	66.2	.0	- 6.2
Newspapers	18.4	18.3	19.6	.5	- 6.0
Commercial printing	22.4	22.7	25.2	- 1.0	- 10.9
Chemicals and allied products	66.6	66.9	67.7	- .4	- 1.6
Industrial inorganic chemicals	12.9	12.8	13.0	1.1	- .7
Plastics materials and synthetics	9.3	9.3	9.5	.6	- 2.1
Petroleum and coal products	13.4	13.6	14.1	- 1.1	- 4.6
Rubber and misc. plastics products	78.2	77.3	87.5	1.1	- 10.7
Tires and inner tubes	21.2	21.3	23.8	- .7	- 11.1
Miscellaneous plastics products	38.8	37.6	43.4	3.1	- 10.7
Leather and leather products	5.3	5.3	5.4	.5	- .4

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
NOVEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1982[b]	October 1982[c]	November 1981[c]	Nov. 1982[b]	Oct. 1982[c]	Nov. 1981[c]	Nov. 1982[b]	Oct. 1982[c]	Nov. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$409.24	$404.59	$398.45	40.2	39.9	40.7	$10.18	$10.14	$ 9.79
Durable Goods[d]	420.25	416.31	410.26	40.1	39.8	40.7	10.48	10.46	10.08
Lumber and wood products	300.00	282.30	264.88	40.0	39.1	39.3	7.50	7.22	6.74
Furniture and fixtures	306.83	306.15	295.42	39.9	39.2	39.6	7.69	7.81	7.46
Household furniture	267.14	268.22	253.44	38.0	38.1	38.4	7.03	7.04	6.60
Stone, clay, and glass products	392.47	386.78	361.97	41.4	40.8	40.9	9.48	9.48	8.85
Glass and glassware, pressed or blown.	403.35	401.09	392.35	39.7	39.4	40.2	10.16	10.18	9.76
Structural clay products	285.82	290.90	273.48	40.6	40.8	40.1	7.04	7.13	6.82
Pottery and related products	317.10	309.08	274.99	39.1	38.3	38.3	8.11	8.07	7.18
Primary metal industries	481.73	477.98	488.03	38.6	38.3	40.5	12.48	12.48	12.05
Blast furnace and basic steel products	502.69	504.53	528.33	36.8	36.8	40.3	13.66	13.71	13.11
Iron and steel foundries	456.51	455.00	449.08	39.8	39.6	40.9	11.47	11.49	10.98
Nonferrous rolling and drawing	486.81	474.28	465.27	40.1	39.1	39.0	12.14	12.13	11.93
Nonferrous foundries	358.30	360.19	340.25	39.9	40.2	40.7	8.98	8.96	8.36
Fabricated metal products	408.83	401.37	391.78	40.2	39.7	40.1	10.17	10.11	9.77
Cutlery, hand tools, and hardware	392.42	395.46	401.79	38.7	39.0	39.9	10.14	10.14	10.07
Plumbing and heating, except electric.	334.88	336.75	340.95	37.5	37.5	39.1	8.93	8.98	8.72
Fabricated structural metal products .	390.83	389.46	369.77	40.5	40.4	40.5	9.65	9.64	9.13
Screw machine products, bolts, etc. ..	352.17	343.42	361.10	39.0	38.5	39.9	9.03	8.92	9.05
Metal forgings and stampings	473.08	455.44	450.20	40.4	39.5	39.7	11.71	11.53	11.34
Machinery, except electrical	393.00	399.78	402.26	39.3	39.7	41.3	10.00	10.07	9.74
Construction and related machinery ...	372.32	402.83	409.28	36.9	39.3	41.3	10.09	10.25	9.91
Metalworking machinery	390.39	377.62	399.34	38.5	37.8	41.0	10.14	9.99	9.74
Special industry machinery	400.61	389.09	384.08	41.6	40.7	42.3	9.63	9.56	9.08
General industrial machinery	391.33	387.66	395.44	38.9	39.0	40.6	10.06	9.94	9.74
Electric and electronic equipment	375.48	374.46	357.86	39.4	39.5	40.3	9.53	9.48	8.88
Electrical industrial apparatus	346.67	351.66	358.97	37.6	38.1	40.7	9.22	9.23	8.82
Household appliances	381.81	379.66	348.43	39.0	39.1	38.5	9.79	9.71	9.05
Electric lighting and wiring equipment	380.56	370.23	332.11	41.5	41.0	40.8	9.17	9.03	8.14
Communication equipment	397.10	409.34	422.51	38.0	38.4	41.1	10.45	10.66	10.28
Transportation equipment	517.28	502.94	481.31	42.4	41.6	41.6	12.20	12.09	11.57
Motor vehicles and equipment	531.70	519.17	498.42	42.4	41.7	41.5	12.54	12.45	12.01
Aircraft and parts	491.42	479.45	446.04	42.4	41.8	42.0	11.59	11.47	10.62
Instruments and related products	288.01	286.50	275.01	39.4	39.3	39.4	7.31	7.29	6.98
Measuring and controlling devices	276.99	275.88	278.48	38.1	38.0	39.5	7.27	7.26	7.05
Nondurable Goods[e]	385.97	378.95	367.43	40.5	40.1	40.6	9.53	9.45	9.05
Food and kindred products	390.32	387.28	378.84	41.0	41.2	42.0	9.52	9.40	9.02
Meat products	415.48	405.82	444.71	41.3	40.3	43.9	10.06	10.07	10.13
Dairy products	396.68	390.44	363.23	43.4	43.0	43.5	9.14	9.08	8.35
Bakery products	402.20	378.85	365.81	40.1	39.3	40.6	10.03	9.64	9.01
Beverages	336.17	336.92	334.22	37.9	38.2	39.6	8.87	8.82	8.44
Textile mill products	264.41	269.99	267.58	38.6	39.3	39.7	6.85	6.87	6.74
Apparel and other textile products	219.48	223.56	210.36	37.2	37.7	37.1	5.90	5.93	5.67
Paper and allied products	406.73	405.36	380.98	43.5	43.4	43.0	9.35	9.34	8.86
Paper mills, except building paper ...	526.71	516.22	485.10	48.5	48.2	46.2	10.86	10.71	10.50
Misc. converted paper products	354.41	354.69	337.64	41.5	41.1	42.1	8.54	8.63	8.02
Paperboard containers and boxes	367.11	358.03	336.61	42.1	41.2	41.1	8.72	8.69	8.19
Printing and publishing	362.70	355.15	363.65	37.2	36.5	38.4	9.75	9.73	9.47
Newspapers	323.27	319.40	326.02	31.6	31.1	33.2	10.23	10.27	9.82
Commercial printing	368.26	360.91	390.10	38.4	37.4	40.3	9.59	9.65	9.68
Chemicals and allied products	432.43	422.28	394.94	41.5	40.8	40.8	10.42	10.35	9.68
Industrial inorganic chemicals	436.30	451.47	435.11	40.7	40.6	41.4	10.72	11.12	10.51
Plastics materials and synthetics	472.40	459.24	414.96	43.7	42.8	42.0	10.81	10.73	9.88
Petroleum and coal products	612.00	599.40	535.82	45.0	44.4	42.9	13.60	13.50	12.49
Rubber and misc. plastics products	384.20	368.54	376.58	40.4	39.5	40.8	9.51	9.33	9.23
Tires and inner tubes	494.50	495.72	522.65	40.8	40.8	43.7	12.12	12.15	11.96
Miscellaneous plastics products	370.40	343.04	351.84	40.0	38.5	39.4	9.26	8.91	8.93
Leather and leather products	223.10	210.79	191.21	41.7	39.4	37.2	5.35	5.35	5.14

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
NOVEMBER 1982 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1982[b]	October 1982[c]	November 1981[c]	October 1982	November 1981
NONMANUFACTURING	3116.6	3117.0	3130.8	.0	-.5
MINING	32.0	32.0	32.4	.2	-1.2
Bituminous coal and lignite mining	13.1	13.2	14.4	-.6	-8.8
CONSTRUCTION	148.6	153.6	161.3	-3.3	-7.9
General building contractors	35.1	35.7	38.3	-1.7	-8.3
Heavy construction contractors	23.1	25.1	26.9	-7.9	-13.8
TRANSPORTATION AND PUBLIC UTILITIES	210.6	211.3	220.5	-.3	-4.5
Railroad transportation	22.3	22.5	26.3	-1.1	-15.3
Transportation, except railroads	94.9	95.0	97.9	-.1	-3.1
Trucking and warehousing	70.4	70.4	74.0	.0	-4.8
Communication, electric, gas services	93.4	93.8	96.4	-.4	-3.0
Communication	52.7	52.8	55.4	-.2	-4.9
Electric, gas, and sanitary services	40.7	41.1	40.9	-.8	-.5
WHOLESALE TRADE	229.7	230.2	231.1	-.2	-.6
Wholesale trade-durable goods	147.6	147.8	149.3	-.2	-1.2
Motor vehicles & automotive equipment	20.5	20.6	20.8	-.3	-1.1
Electrical goods	19.3	19.2	19.5	.2	-1.1
Machinery, equipment, and supplies	62.1	62.2	62.4	-.1	-.4
Wholesale trade-nondurable goods	82.1	82.4	81.8	-.3	.5
Groceries and related products	24.4	24.5	24.0	-.6	1.8
RETAIL TRADE	714.2	707.3	728.1	1.0	-1.9
General merchandise stores	118.8	112.9	126.1	5.2	-5.8
Department stores	108.8	103.2	115.5	5.4	-5.8
Food stores	118.5	117.2	118.9	1.1	-.3
Automotive dealers & service stations	68.9	69.5	72.1	-1.0	-4.4
Apparel and accessory stores	36.1	35.1	36.9	3.1	-2.1
FINANCE, INSURANCE, AND REAL ESTATE	206.4	206.2	205.6	.1	.4
Banking	58.4	58.4	59.1	.0	-1.3
Credit agencies other than banks	30.7	30.6	30.4	.3	1.0
Insurance carriers	59.1	58.7	58.9	.7	.3
SERVICES	894.9	901.2	864.9	-.7	3.5
Hotels and other lodging places	32.2	32.5	31.6	-1.1	1.7
Laundry, cleaning, & garment services	17.4	17.3	17.9	.2	-3.0
Business services	132.8	134.2	129.4	-1.0	2.6
Health services	318.4	318.2	302.7	.1	5.2
Hospitals	175.2	175.0	167.7	.1	4.5
GOVERNMENT	680.1	675.2	686.9	.7	-1.0
Federal government	88.7	88.7	89.0	-.1	-.3
State government	147.3	147.0	146.1	.2	.8
State government, except education	70.8	70.6	71.2	.2	-.6
State government education[i]	76.5	76.4	74.9	.2	2.2
Local government	444.1	439.5	451.9	1.0	-1.7
Local government, except education	184.8	184.7	185.8	.1	-.6
Local government education	259.3	254.8	266.1	1.8	-2.5

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
NOVEMBER 1982 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1982[b]	October 1982[c]	November 1981[c]	Nov. 1982[b]	Oct. 1982[c]	Nov. 1981[c]	Nov. 1982[b]	Oct. 1982[c]	Nov. 1981[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$458.76	$453.84	$449.90	43.9	43.1	44.5	$10.45	$10.53	$10.11
Bituminous coal and lignite mining	543.82	546.07	539.90	41.8	42.2	43.4	13.01	12.94	12.44
CONSTRUCTION	537.06	572.26	529.96	35.9	38.1	37.6	14.96	15.02	14.02
General building contractors	481.95	515.11	479.33	35.0	37.3	36.9	13.77	13.81	12.99
Heavy construction contractors	492.89	576.42	524.76	34.3	39.4	38.9	14.37	14.63	13.49
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	445.16	443.75	439.85	35.9	35.7	36.9	12.40	12.43	11.92
Communication, electric, gas services	437.20	435.71	410.06	40.0	39.9	40.4	10.93	10.92	10.15
Communication	427.19	426.80	399.56	39.3	39.3	39.6	10.87	10.86	10.09
Electric, gas, and sanitary services	451.00	446.19	423.11	41.0	40.6	41.4	11.00	10.99	10.22
WHOLESALE TRADE	315.83	316.65	305.37	38.8	38.9	39.0	8.14	8.14	7.83
Wholesale trade-durable goods	309.27	307.30	301.06	39.0	38.8	39.2	7.93	7.92	7.68
Motor vehicles & automotive equipment	259.46	257.25	275.41	38.1	37.5	38.9	6.81	6.86	7.08
Electrical goods	265.83	259.70	251.34	37.6	37.1	36.8	7.07	7.00	6.83
Machinery, equipment, and supplies	340.65	338.13	317.17	39.2	39.0	39.4	8.69	8.67	8.05
Wholesale trade-nondurable goods	328.79	332.28	313.08	38.5	39.0	38.7	8.54	8.52	8.09
Groceries and related products	366.80	360.93	348.50	41.4	40.6	41.0	8.86	8.89	8.50
RETAIL TRADE[f]	154.28	153.99	152.48	29.0	29.0	29.1	5.32	5.31	5.24
General merchandise stores	154.07	155.56	150.45	29.8	29.8	29.5	5.17	5.22	5.10
Department stores	155.93	157.94	152.22	29.7	29.8	29.5	5.25	5.30	5.16
Food stores	222.58	223.92	236.27	30.7	31.1	31.8	7.25	7.20	7.43
Automotive dealers & service stations	202.21	198.74	197.47	36.5	36.4	37.4	5.54	5.46	5.28
Apparel and accessory stores	105.25	110.66	110.24	25.3	26.1	26.5	4.16	4.24	4.16
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	205.45	205.14	189.68	....	....	....	....	....	....
Credit agencies other than banks	203.14	204.77	194.03	....	....	....	....	....	....
Insurance carriers	280.22	277.35	260.29	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	267.69	267.79	245.28	34.1	34.2	33.6	7.85	7.83	7.30
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
NOVEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1982[b]	October 1982[c]	November 1981[c]	October 1982	November 1981
TOTAL	254.7	255.1	261.1	- .2	- 2.5
MANUFACTURING	68.0	68.8	74.9	- 1.1	- 9.2
Durable Goods[e]	33.4	34.1	37.3	- 2.1	- 10.6
Stone, clay, and glass products	1.6	1.5	1.8	3.2	- 8.9
Fabricated metal products	12.5	13.1	13.9	- 4.5	- 9.7
Machinery, except electrical	8.8	9.0	10.8	- 2.2	- 18.8
Special industry machinery	1.5	1.5	2.0	- .5	- 26.1
Nondurable Goods[f]	34.7	34.7	37.6	- .2	- 7.9
Food and kindred products	2.8	2.8	2.9	- 1.6	- 4.1
Chemicals and allied products	3.6	3.6	3.9	- .2	- 7.8
Rubber and misc. plastics products	23.3	23.3	25.7	.1	- 9.3
Tires and inner tubes	17.3	17.3	19.6	.2	- 11.8
NONMANUFACTURING[g]	186.7	186.3	186.1	.2	.3
CONSTRUCTION	7.8	8.0	8.3	- 3.4	- 6.5
TRANSPORTATION AND PUBLIC UTILITIES	13.4	13.4	14.0	- .1	- 4.2
Communication, electric, gas services	5.5	5.4	5.5	.3	- .3
WHOLESALE TRADE	12.4	12.4	12.1	- .4	2.4
RETAIL TRADE	46.2	45.7	46.1	1.0	.2
FINANCE, INSURANCE, AND REAL ESTATE	9.2	9.2	9.1	.3	.9
SERVICES	53.4	53.4	51.7	- .1	3.1
GOVERNMENT	43.7	43.5	44.2	.4	- 1.0
State government (includes education)	14.9	14.9	14.4	- .3	3.5
Local government (includes education)	26.7	26.5	27.7	.9	- 3.3

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
NOVEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1982[b]	October 1982[c]	November 1981[c]	Nov. 1982[b]	Oct. 1982[c]	Nov. 1981[c]	Nov. 1982[b]	Oct. 1982[c]	Nov. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$404.56	$401.76	$402.55	40.7	40.5	41.5	$ 9.94	$ 9.92	$ 9.70
Durable Goods[d]	403.56	403.92	393.18	40.6	40.8	41.3	9.94	9.90	9.52
Stone, clay, and glass products	389.90	403.37	372.86	41.7	41.8	41.8	9.35	9.65	8.92
Fabricated metal products	389.61	390.39	379.42	39.0	39.0	39.4	9.99	10.01	9.63
Machinery, except electrical	410.48	406.27	407.45	42.1	42.1	43.3	9.75	9.65	9.41
Special industry machinery	375.31	358.02	372.34	39.8	39.0	42.7	9.43	9.18	8.72
Nondurable Goods[e]	406.55	399.99	412.00	40.9	40.2	41.7	9.94	9.95	9.88
Food and kindred products	440.92	419.08	397.34	44.9	44.3	44.1	9.82	9.46	9.01
Chemicals and allied products	439.72	438.19	399.75	42.2	41.3	41.0	10.42	10.61	9.75
Rubber and misc. plastics products	407.22	403.81	436.54	40.6	40.1	42.3	10.03	10.07	10.32
Tires and inner tubes	505.00	507.91	543.40	40.4	40.6	44.0	12.50	12.51	12.35
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	562.03	574.53	539.92	37.0	37.6	39.7	15.19	15.28	13.60
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	438.60	438.99	412.90	39.8	39.8	40.6	11.02	11.03	10.17
WHOLESALE TRADE	289.48	281.47	281.62	38.7	38.4	37.6	7.48	7.33	7.49
RETAIL TRADE[f]	171.10	171.38	174.25	29.5	29.6	30.2	5.80	5.79	5.77
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
NOVEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1982[b]	October 1982[c]	November 1981[c]	October 1982	November 1981
TOTAL	151.4	151.3	157.9	.0	- 4.1
MANUFACTURING	47.6	47.7	55.1	- .2	- 13.6
Durable Goods[e]	35.9	36.0	43.0	- .3	- 16.5
Stone, clay, and glass products	2.0	2.0	2.1	- 2.2	- 7.2
Primary metal industries	10.3	10.6	13.8	- 2.7	- 24.9
Fabricated metal products	9.1	9.0	9.8	1.2	- 7.1
Fabricated structural metal products	3.2	3.2	3.4	.2	- 6.2
Metal forgings and stampings	2.3	2.3	2.7	- .3	- 14.4
Nondurable Goods[f]	11.7	11.7	12.1	.1	- 3.5
Food and kindred products	4.2	4.2	4.4	1.0	- 3.9
Rubber and misc. plastics products	2.9	3.0	3.0	- 2.2	- 2.0
NONMANUFACTURING[g]	103.8	103.6	102.8	.2	1.0
CONSTRUCTION	5.2	5.4	5.5	- 3.2	- 4.7
TRANSPORTATION AND PUBLIC UTILITIES	6.9	6.9	7.2	- .7	- 4.8
Communication, electric, gas services	3.0	3.0	3.1	- .2	- 4.4
WHOLESALE TRADE	7.4	7.4	7.3	- .1	2.2
RETAIL TRADE	26.3	26.1	26.1	.9	.8
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.5	6.3	- .6	2.9
SERVICES	31.1	31.2	30.2	- .1	3.2
GOVERNMENT	18.9	18.7	18.8	1.3	.4
Local government (includes education)	15.9	15.6	15.7	1.5	1.3

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
NOVEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1982[b]	October 1982[c]	November 1981[c]	Nov. 1982[b]	Oct. 1982[c]	Nov. 1981[c]	Nov. 1982[b]	Oct. 1982[c]	Nov. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$412.91	$403.37	$398.40	39.4	38.6	39.8	$10.48	$10.45	$10.01
Durable Goods[d]	418.35	409.58	403.22	38.7	38.1	39.3	10.81	10.75	10.26
Stone, clay, and glass products	259.64	255.84	269.12	39.7	39.0	40.9	6.54	6.56	6.58
Primary metal industries	457.32	456.04	452.54	35.7	35.6	37.4	12.81	12.81	12.10
Fabricated metal products	460.78	448.54	423.55	41.4	40.3	40.3	11.13	11.13	10.51
Fabricated structural metal products .	477.86	477.63	464.98	43.6	43.5	45.1	10.96	10.98	10.31
Metal forgings and stampings	507.67	505.79	488.42	40.1	39.3	40.6	12.66	12.87	12.03
Nondurable Goods[e]	392.29	383.54	374.40	41.6	40.5	41.6	9.43	9.47	9.00
Food and kindred products	440.77	412.34	443.41	41.7	38.5	42.8	10.57	10.71	10.36
Rubber and misc. plastics products	414.23	400.86	372.73	46.7	45.5	45.4	8.87	8.81	8.21
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	514.04	550.13	519.00	35.5	37.5	37.5	14.48	14.67	13.84
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services ..	450.86	453.50	422.10	40.4	40.6	41.1	11.16	11.17	10.27
WHOLESALE TRADE	295.13	287.86	284.10	37.5	37.0	38.6	7.87	7.78	7.36
RETAIL TRADE[f]	152.00	150.31	145.50	29.4	29.3	29.1	5.17	5.13	5.00
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education) ..	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
NOVEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1982[b]	October 1982[c]	November 1981[c]	October 1982	November 1981
TOTAL	585.7	587.5	597.1	- .3	- 1.9
MANUFACTURING	150.1	150.2	158.6	- .1	- 5.4
Durable Goods[e]	82.5	82.8	88.3	- .4	- 6.5
Furniture and fixtures	2.2	2.2	2.4	.5	- 9.8
Primary metal industries	1.8	1.9	2.5	- 6.4	- 26.8
Fabricated metal products	12.6	12.6	14.1	.0	- 10.6
Fabricated structural metal products	4.2	4.1	4.6	1.7	- 8.9
Machinery, except electrical	22.5	22.5	25.5	- .1	- 11.6
Metalworking machinery	11.7	11.7	13.4	.2	- 12.8
General industrial machinery	3.1	3.1	3.9	.7	- 19.3
Electric and electronic equipment	8.0	8.0	8.7	- .6	- 8.6
Transportation equipment	24.1	24.1	24.1	- .2	- .1
Motor vehicles and equipment	9.1	9.2	8.7	- .7	4.4
Nondurable Goods[f]	67.5	67.4	70.3	.2	- 4.0
Food and kindred products	16.0	16.0	17.2	.3	- 6.5
Meat products	2.1	2.1	2.5	.0	- 17.6
Bakery products	2.4	2.5	2.6	- 2.0	- 5.9
Beverages	5.0	4.9	5.2	1.4	- 4.3
Apparel and other textile products	4.1	4.1	4.0	.2	4.6
Paper and allied products	6.0	5.8	6.5	2.7	- 7.7
Printing and publishing	11.2	11.3	11.9	- .1	- 5.9
Chemicals and allied products	22.1	22.3	22.3	- .5	- .6
Rubber and misc. plastics products	4.0	3.9	4.3	1.5	- 7.1
NONMANUFACTURING[g]	435.6	437.2	438.4	- .4	- .6
CONSTRUCTION	21.1	22.1	22.8	- 4.5	- 7.3
TRANSPORTATION AND PUBLIC UTILITIES	32.3	32.4	33.4	- .3	- 3.4
Communication, electric, gas services	14.1	14.1	14.3	- .2	- 1.6
WHOLESALE TRADE	37.5	37.5	38.1	.1	- 1.4
RETAIL TRADE	102.1	100.5	103.7	1.5	- 1.6
FINANCE, INSURANCE, AND REAL ESTATE	32.3	32.2	32.5	.4	- .6
Banking	7.3	7.3	7.4	- .4	- 1.9
Insurance carriers	11.2	11.2	11.4	.3	- 1.0
SERVICES	128.0	130.4	124.0	- 1.9	3.2
GOVERNMENT	81.9	81.6	83.7	.3	- 2.2
Federal government	12.5	12.7	12.7	- 1.1	- 1.2
State government (includes education)	18.7	18.4	18.3	1.7	1.9
Local government	50.7	50.6	52.7	.1	- 3.8
Local government, except education	21.8	22.1	22.0	- 1.4	- .9
Local government education	28.9	28.6	30.7	1.3	- 5.8

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
NOVEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1982[b]	October 1982[c]	November 1981[c]	Nov. 1982[b]	Oct. 1982[c]	Nov. 1981[c]	Nov. 1982[b]	Oct. 1982[c]	Nov. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$400.46	$387.13	$372.28	41.2	40.2	41.0	$ 9.72	$ 9.63	$ 9.08
Durable Goods[d]	383.94	370.36	363.60	40.5	39.4	40.9	9.48	9.40	8.89
Furniture and fixtures	275.27	263.02	263.15	37.3	35.4	37.7	7.38	7.43	6.98
Primary metal industries	350.70	317.02	361.38	36.8	33.3	38.0	9.53	9.52	9.51
Fabricated metal products	376.90	376.26	356.13	41.6	41.9	40.7	9.06	8.98	8.75
Fabricated structural metal products	334.97	346.52	333.91	40.9	41.8	42.7	8.19	8.29	7.82
Machinery, except electrical	332.06	330.43	348.91	38.3	38.2	41.0	8.67	8.65	8.51
Metalworking machinery	342.95	337.24	380.18	36.1	35.8	41.1	9.50	9.42	9.25
General industrial machinery	327.40	333.48	334.40	38.7	39.7	40.0	8.46	8.40	8.36
Electric and electronic equipment	293.57	284.86	288.55	39.3	39.4	40.3	7.47	7.23	7.16
Transportation equipment	536.78	503.60	482.16	42.2	40.0	42.0	12.72	12.59	11.48
Motor vehicles and equipment	577.26	529.42	517.79	41.8	38.7	40.9	13.81	13.68	12.66
Nondurable Goods[e]	418.16	405.08	380.48	41.9	41.0	41.0	9.98	9.88	9.28
Food and kindred products	470.13	454.37	434.10	42.7	41.8	41.7	11.01	10.87	10.41
Meat products	476.84	428.08	520.12	45.5	41.4	46.9	10.48	10.34	11.09
Bakery products	416.53	389.05	391.02	41.2	40.4	42.0	10.11	9.63	9.31
Beverages	448.66	455.24	364.95	43.9	44.5	39.2	10.22	10.23	9.31
Apparel and other textile products	228.42	226.80	216.72	40.5	40.5	38.7	5.64	5.60	5.60
Paper and allied products	354.73	357.39	335.02	41.2	41.8	42.3	8.61	8.55	7.92
Printing and publishing	385.70	387.48	371.50	38.0	38.1	38.9	10.15	10.17	9.55
Chemicals and allied products	487.56	458.43	421.64	43.3	41.3	41.5	11.26	11.10	10.16
Rubber and misc. plastics products	338.61	319.20	318.32	43.3	42.0	42.9	7.82	7.60	7.42
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	519.76	581.74	536.20	35.6	38.5	38.3	14.60	15.11	14.00
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	414.85	415.91	388.09	39.1	39.2	39.4	10.61	10.61	9.85
WHOLESALE TRADE	318.78	321.15	299.93	38.5	38.6	38.7	8.28	8.32	7.75
RETAIL TRADE[f]	155.56	156.15	155.34	29.8	29.8	30.7	5.22	5.24	5.06
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	201.47	201.27	194.94	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
NOVEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1982[b]	October 1982[c]	November 1981[c]	October 1982	November 1981
TOTAL	851.9	853.3	883.6	-.2	-3.6
MANUFACTURING	219.4	221.7	245.9	-1.0	-10.8
Durable Goods[e]	154.1	156.0	178.6	-1.2	-13.7
Furniture and fixtures	2.2	2.2	2.2	-3.0	.2
Primary metal industries	24.6	25.3	29.1	-2.9	-15.4
Blast furnace and basic steel products	12.7	13.1	14.9	-2.9	-14.7
Iron and steel foundries	6.3	6.4	7.3	-1.6	-14.7
Nonferrous foundries	2.5	2.6	2.7	-4.4	-9.6
Fabricated metal products	34.6	34.8	39.1	-.5	-11.6
Fabricated structural metal products	3.8	3.9	4.5	-2.0	-16.2
Screw machine products, bolts, etc.	5.3	5.3	6.0	-.2	-11.2
Metal forgings and stampings	12.2	12.3	13.9	-1.1	-12.4
Machinery, except electrical	35.2	36.0	44.8	-2.2	-21.4
Construction and related machinery	4.9[h]	4.7[h]	7.2	3.7	-32.8
Metalworking machinery	12.5	12.9	16.2	-2.6	-22.7
Special industry machinery	4.1	4.2	4.5	-1.5	-7.1
General industrial machinery	2.7	2.8	3.8	-3.1	-28.2
Electric and electronic equipment	23.7	23.6	25.2	.2	-6.2
Electrical industrial apparatus	7.8	7.8	9.0	-.9	-13.5
Transportation equipment	19.4	19.4	22.5	.0	-13.4
Motor vehicles and equipment	12.7	12.7	15.0	.0	-15.4
Instruments and related products	6.2	6.1	6.6	.2	-6.8
Nondurable Goods[f]	65.3	65.7	67.3	-.6	-2.9
Food and kindred products	8.2	8.2	8.2	.0	.1
Bakery products	1.8	1.8	1.8	.6	-3.9
Beverages	1.6	1.6	1.6	.0	2.4
Apparel and other textile products	5.3	5.4	5.5	-.4	-2.5
Paper and allied products	5.0	5.0	5.1	1.1	-.3
Printing and publishing	14.7	14.8	15.4	-.3	-4.7
Chemicals and allied products	15.3	15.4	16.0	-.6	-4.6
Industrial inorganic chemicals	3.9	3.9	4.2	.1	-8.3
Rubber and misc. plastics products	10.3	10.5	10.8	-1.5	-4.5
NONMANUFACTURING[g]	632.6	631.6	637.7	.1	-.8
CONSTRUCTION	27.0	27.7	28.9	-2.5	-6.5
TRANSPORTATION AND PUBLIC UTILITIES	44.0	44.0	45.7	-.1	-3.7
Communication, electric, gas services	19.6	19.6	20.1	.0	-2.1
WHOLESALE TRADE	61.0	61.1	61.9	-.2	-1.6
RETAIL TRADE	136.4	135.0	139.3	1.0	-2.1
FINANCE, INSURANCE, AND REAL ESTATE	47.5	47.6	47.8	-.2	-.7
Banking	13.2	13.2	13.5	-.2	-2.1
Insurance carriers	11.7	11.8	11.9	-.7	-1.8
SERVICES	199.7	199.9	194.3	-.1	2.8
GOVERNMENT	115.7	115.0	118.4	.6	-2.3
Federal government	19.2	19.1	19.6	.6	-1.9
State government (includes education)	7.5	7.7	7.7	-3.2	-2.7
Local government	89.1	88.2	91.2	.9	-2.4
Local government, except education	45.2	45.1	45.6	.4	-.9
Local government education	43.8	43.2	45.6	1.4	-3.9

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
NOVEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1982[b]	October 1982[c]	November 1981[c]	Nov. 1982[b]	Oct. 1982[c]	Nov. 1981[c]	Nov. 1982[b]	Oct. 1982[c]	Nov. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$401.65	$397.88	$401.06	39.3	39.2	40.8	$10.22	$10.15	$ 9.83
Durable Goods[d]	420.51	418.55	422.09	39.3	39.3	41.3	10.70	10.65	10.22
Furniture and fixtures	328.02	319.18	334.33	40.9	39.6	44.4	8.02	8.06	7.53
Primary metal industries	456.33	459.05	490.03	37.1	37.2	40.7	12.30	12.34	12.04
Blast furnace and basic steel products	467.48	475.74	501.73	33.9	34.3	38.3	13.79	13.87	13.10
Iron and steel foundries	519.47	515.11	588.29	40.3	39.9	44.1	12.89	12.91	13.34
Nonferrous foundries	331.89	338.35	313.24	39.7	39.9	38.2	8.36	8.48	8.20
Fabricated metal products	427.03	407.54	398.38	40.4	39.3	40.2	10.57	10.37	9.91
Fabricated structural metal products	340.66	335.75	326.42	40.7	39.5	40.2	8.37	8.50	8.12
Screw machine products, bolts, etc.	354.54	351.54	388.16	38.0	37.8	42.1	9.33	9.30	9.22
Metal forgings and stampings	533.79	495.26	475.16	41.8	40.2	40.2	12.77	12.32	11.82
Machinery, except electrical	401.97	427.58	423.30	38.8	40.3	41.5	10.36	10.61	10.20
Construction and related machinery	390.60	440.50	472.04	36.0	39.9	41.7	10.85	11.04	11.32
Metalworking machinery	392.43	382.42	411.41	38.1	37.2	41.1	10.30	10.28	10.01
Special industry machinery	436.31	437.47	408.63	41.2	41.0	40.7	10.59	10.67	10.04
General industrial machinery	376.96	382.20	431.14	38.0	39.0	43.2	9.92	9.80	9.98
Electric and electronic equipment	354.05	356.18	365.06	38.4	38.8	42.4	9.22	9.18	8.61
Electrical industrial apparatus	342.14	353.79	383.46	34.7	35.7	41.5	9.86	9.91	9.24
Transportation equipment	535.35	496.92	496.17	43.0	41.0	41.8	12.45	12.12	11.87
Motor vehicles and equipment	563.77	493.29	507.99	43.3	39.4	41.3	13.02	12.52	12.30
Instruments and related products	331.20	329.62	312.50	40.0	40.1	41.5	8.20	8.22	7.53
Nondurable Goods[e]	347.60	341.93	335.29	39.1	38.9	39.4	8.89	8.79	8.51
Food and kindred products	370.46	362.79	337.05	40.8	40.4	39.7	9.08	8.98	8.49
Bakery products	382.48	377.30	343.93	39.8	39.8	38.3	9.61	9.48	8.98
Beverages	345.87	330.40	328.42	42.7	41.3	43.1	8.10	8.00	7.62
Apparel and other textile products	244.97	253.13	240.53	36.4	36.9	37.7	6.73	6.86	6.38
Paper and allied products	368.42	374.33	362.46	40.8	41.0	42.0	9.03	9.13	8.63
Printing and publishing	367.89	346.74	360.05	36.9	35.6	38.1	9.97	9.74	9.45
Chemicals and allied products	409.24	406.21	395.39	40.2	40.1	40.1	10.18	10.13	9.86
Industrial inorganic chemicals	398.11	393.19	408.18	39.3	38.7	39.4	10.13	10.16	10.36
Rubber and misc. plastics products	309.67	313.07	288.88	39.6	40.5	39.9	7.82	7.73	7.24
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	635.15	641.66	595.92	37.1	38.4	38.2	17.12	16.71	15.60
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	469.17	467.17	440.24	40.1	40.1	40.5	11.70	11.65	10.87
WHOLESALE TRADE	331.27	329.72	322.53	38.7	38.7	39.0	8.56	8.52	8.27
RETAIL TRADE[f]	164.14	164.42	155.96	28.3	28.3	28.0	5.80	5.81	5.57
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	237.35	236.84	217.07	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
NOVEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1982[b]	October 1982[c]	November 1981[c]	October 1982	November 1981
TOTAL	512.7	511.7	515.6	.2	- .6
MANUFACTURING	88.0	88.2	93.2	- .2	- 5.5
Durable Goods[e]	54.9	55.2	59.4	- .4	- 7.5
Stone, clay, and glass products	9.0	9.1	9.8	- .4	- 7.8
Fabricated metal products	8.3	8.5	11.0	- 1.9	- 23.9
Machinery, except electrical	10.6	10.7	11.9	- .3	- 10.4
Electric and electronic equipment	11.4	11.5	11.9	- .6	- 4.4
Transportation equipment	7.0	6.9	6.1	1.6	14.7
Nondurable Goods[f]	33.1	33.0	33.7	.2	- 2.0
Food and kindred products	10.8	10.9	10.6	- 1.0	1.7
Printing and publishing	8.5	8.5	8.6	.0	- 1.3
Chemicals and allied products	6.1	6.0	6.1	1.9	1.0
Rubber and misc. plastics products	2.7	2.7	3.0	- .7	- 10.4
NONMANUFACTURING[g]	424.7	423.5	422.4	.3	.5
CONSTRUCTION	17.3	17.9	18.9	- 3.1	- 8.4
TRANSPORTATION AND PUBLIC UTILITIES	23.4	23.4	24.7	- .2	- 5.2
Communication, electric, gas services	11.0	11.1	11.6	- .3	- 4.9
WHOLESALE TRADE	27.7	27.7	27.3	.1	1.5
RETAIL TRADE	96.1	94.2	96.7	2.0	- .6
FINANCE, INSURANCE, AND REAL ESTATE	41.8	41.6	39.9	.4	4.7
Banking	8.2	8.1	8.0	1.1	2.9
Insurance carriers	18.1	17.9	17.3	.8	4.5
SERVICES	115.0	115.3	110.5	- .3	4.0
GOVERNMENT	102.5	102.5	103.8	.1	- 1.2
Federal government	11.3	11.3	11.5	- .4	- 1.8
State government	49.4	49.7	49.8	- .7	- .8
State government, except education	28.5	28.6	29.1	- .1	- 2.0
State government education[i]	20.8	21.2	20.7	- 1.5	.8
Local government	41.9	41.4	42.5	1.1	- 1.4
Local government, except education	17.3	17.2	17.4	.4	- .7
Local government education	24.6	24.2	25.1	1.6	- 1.9

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
NOVEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1982[b]	October 1982[c]	November 1981[c]	Nov. 1982[b]	Oct. 1982[c]	Nov. 1981[c]	Nov. 1982[b]	Oct. 1982[c]	Nov. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$383.80	$376.75	$364.72	40.4	39.7	40.3	$ 9.50	$ 9.49	$ 9.05
Durable Goods[d]	398.57	392.43	382.86	40.3	39.8	40.6	9.89	9.86	9.43
Stone, clay, and glass products	371.45	365.27	381.48	39.6	38.9	40.8	9.38	9.39	9.35
Fabricated metal products	448.22	447.12	423.20	40.6	40.1	40.0	11.04	11.15	10.58
Machinery, except electrical	386.51	371.33	358.75	40.9	40.1	41.0	9.45	9.26	8.75
Electric and electronic equipment	387.53	392.04	373.70	40.2	40.5	40.4	9.64	9.68	9.25
Transportation equipment	511.43	490.03	442.96	43.6	42.5	43.3	11.73	11.53	10.23
Nondurable Goods[e]	354.78	348.57	330.77	40.5	39.7	39.9	8.76	8.78	8.29
Food and kindred products	358.26	353.97	329.27	42.0	41.4	40.6	8.53	8.55	8.11
Printing and publishing	409.00	400.64	364.06	37.8	37.2	36.7	10.82	10.77	9.92
Chemicals and allied products	393.74	383.51	356.00	41.1	40.2	40.5	9.58	9.54	8.79
Rubber and misc. plastics products	297.62	285.82	300.25	41.8	40.2	41.3	7.12	7.11	7.27
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	472.67	517.59	483.66	35.7	38.8	38.6	13.24	13.34	12.53
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	450.30	455.31	426.37	39.5	39.8	40.3	11.40	11.44	10.58
WHOLESALE TRADE	308.90	311.26	293.53	39.3	39.4	39.4	7.86	7.90	7.45
RETAIL TRADE[f]	151.34	153.05	147.61	28.5	28.5	29.0	5.31	5.37	5.09
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	229.51	231.29	184.21	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
NOVEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1982[b]	October 1982[c]	November 1981[c]	October 1982	November 1981
TOTAL	344.8	347.3	357.0	- .7	- 3.4
MANUFACTURING	85.1	87.8	98.0	- 3.1	- 13.1
Durable Goods[e]	58.5	60.9	67.4	- 4.1	- 13.2
Stone, clay, and glass products	2.0	2.0	2.3	- 4.0	- 12.7
Fabricated metal products	6.4	6.5	7.0	- 1.5	- 7.8
Machinery, except electrical	28.4	28.8	31.7	- 1.3	- 10.3
Metalworking machinery	6.0	6.0	7.1	- 1.3	- 15.8
Electric and electronic equipment	4.6	4.6	5.5	- .2	- 16.1
Electrical industrial apparatus	2.5	2.6	3.3	- 1.1	- 22.1
Transportation equipment	11.3	12.9	14.7	- 12.4	- 23.1
Nondurable Goods[f]	26.7	26.9	30.6	- .9	- 12.9
Food and kindred products	3.3	3.2	3.1	2.8	7.8
Paper and allied products	5.0	5.1	5.7	- 1.9	- 10.8
Printing and publishing	7.6	7.6	9.2	.1	- 17.2
Rubber and misc. plastics products	7.2	7.2	9.1	- .4	- 21.1
NONMANUFACTURING[g]	259.7	259.4	259.1	.1	.2
CONSTRUCTION	11.1	11.5	11.9	- 3.1	- 6.6
TRANSPORTATION AND PUBLIC UTILITIES	12.6	12.8	13.4	- 1.6	- 5.5
Communication, electric, gas services	5.9	6.1	6.6	- 3.1	- 10.4
WHOLESALE TRADE	16.7	16.7	16.6	.1	.8
RETAIL TRADE	56.4	55.7	57.8	1.2	- 2.4
FINANCE, INSURANCE, AND REAL ESTATE	14.0	14.0	13.7	- .1	2.2
SERVICES	78.6	79.0	75.4	- .4	4.2
GOVERNMENT	69.8	69.3	69.9	.7	- .2
Federal government	26.0	26.1	25.7	- .4	1.0
State government (includes education)	6.4	6.5	5.8	- 1.0	10.4
Local government	37.4	36.7	38.4	1.9	- 2.6
Local government, except education	12.6	12.5	13.1	.7	- 3.8
Local government education	24.8	24.2	25.3	2.5	- 1.9

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
NOVEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1982[b]	October 1982[c]	November 1981[c]	Nov. 1982[b]	Oct. 1982[c]	Nov. 1981[c]	Nov. 1982[b]	Oct. 1982[c]	Nov. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$386.88	$393.79	$405.08	39.0	39.3	41.0	$ 9.92	$10.02	$ 9.88
Durable Goods[d]	383.18	393.82	402.52	39.1	39.5	41.2	9.80	9.97	9.77
Stone, clay, and glass products	357.24	393.50	412.98	39.3	37.8	42.4	9.09	10.41	9.74
Fabricated metal products	300.13	306.48	309.42	37.8	38.6	40.5	7.94	7.94	7.64
Machinery, except electrical	407.09	403.52	423.36	39.6	39.6	42.0	10.28	10.19	10.08
Metalworking machinery	405.90	399.12	415.47	39.6	39.4	42.7	10.25	10.13	9.73
Electric and electronic equipment	299.65	311.40	301.17	39.9	40.6	41.2	7.51	7.67	7.31
Electrical industrial apparatus	318.78	320.38	312.58	39.6	39.7	40.7	8.05	8.07	7.68
Transportation equipment	463.69	483.15	494.91	38.9	39.7	40.6	11.92	12.17	12.19
Nondurable Goods[e]	394.60	394.45	413.10	38.8	38.9	40.5	10.17	10.14	10.20
Food and kindred products	403.52	401.65	398.59	39.6	39.3	39.7	10.19	10.22	10.04
Paper and allied products	374.05	357.79	331.61	42.7	41.7	41.4	8.76	8.58	8.01
Printing and publishing	366.72	376.84	447.49	35.5	36.2	41.9	10.33	10.41	10.68
Rubber and misc. plastics products	468.55	472.01	487.26	38.5	38.5	39.2	12.17	12.26	12.43
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	486.43	541.94	502.98	35.3	39.5	38.9	13.78	13.72	12.93
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	435.37	403.33	414.40	39.4	36.5	40.0	11.05	11.05	10.36
WHOLESALE TRADE	304.71	298.62	285.42	40.9	40.3	40.6	7.45	7.41	7.03
RETAIL TRADE[f]	149.06	149.06	148.41	29.0	29.0	29.1	5.14	5.14	5.10
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
NOVEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1982[b]	October 1982[c]	November 1981[c]	October 1982	November 1981
TOTAL	287.2	287.9	292.3	- .2	- 1.7
MANUFACTURING	66.2	66.5	71.5	- .5	- 7.5
Durable Goods[e]	51.1	51.3	55.6	- .5	- 8.1
Stone, clay, and glass products	11.3	11.4	12.8	- 1.1	- 11.7
Primary metal industries	3.6	3.6	4.2	- 1.1	- 15.5
Fabricated metal products	6.7	6.5	7.4	2.1	- 10.4
Metal forgings and stampings	3.0	2.9	3.5	3.6	- 14.7
Machinery, except electrical	5.8	5.9	6.8	- 1.9	- 15.2
General industrial machinery	1.7	1.8	2.1	- 3.8	- 18.0
Transportation equipment	16.3	16.4	15.7	- .4	4.3
Motor vehicles and equipment	14.8	14.9	14.4	- .7	3.3
Nondurable Goods[f]	15.1	15.1	15.9	- .5	- 5.3
Food and kindred products	4.0	4.0	4.0	- 1.6	- 2.2
Petroleum and coal products	1.6	1.6	1.7	- .1	- 1.0
Rubber and misc. plastics products	2.9	2.9	3.1	- 2.3	- 8.3
NONMANUFACTURING[g]	221.1	221.5	220.8	- .2	.1
CONSTRUCTION	10.4	11.0	11.9	- 5.1	- 12.2
TRANSPORTATION AND PUBLIC UTILITIES	18.8	18.9	19.4	- .4	- 3.0
Communication, electric, gas services	7.7	7.7	7.6	.2	.8
WHOLESALE TRADE	14.3	14.3	14.7	- .3	- 2.7
RETAIL TRADE	51.6	51.0	52.6	1.2	- 2.0
FINANCE, INSURANCE, AND REAL ESTATE	10.7	10.8	10.5	- .5	2.3
SERVICES	67.6	68.0	65.0	- .5	4.1
GOVERNMENT	47.1	47.0	46.2	.3	1.9
State government (includes education)	15.3	15.2	14.7	.4	3.8
Local government	29.0	29.0	28.7	.1	1.0
Local government, except education	11.1	11.1	11.2	- .2	- .9
Local government education	17.9	17.9	17.6	.3	2.2

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
NOVEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1982[b]	October 1982[c]	November 1981[c]	Nov. 1982[b]	Oct. 1982[c]	Nov. 1981[c]	Nov. 1982[b]	Oct. 1982[c]	Nov. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$458.30	$454.71	$415.95	41.4	41.3	40.7	$11.07	$11.01	$10.22
Durable Goods[d]	469.89	468.76	427.92	41.4	41.3	40.6	11.35	11.35	10.54
Stone, clay, and glass products	482.80	484.65	431.96	42.5	42.7	41.1	11.36	11.35	10.51
Primary metal industries	431.90	434.09	402.11	40.9	41.5	41.2	10.56	10.46	9.76
Fabricated metal products	443.31	421.30	386.80	41.2	40.2	40.0	10.76	10.48	9.67
Metal forgings and stampings	490.45	452.32	420.03	40.3	38.3	39.0	12.17	11.81	10.77
Machinery, except electrical	411.69	411.20	424.56	39.7	39.5	41.3	10.37	10.41	10.28
General industrial machinery	463.34	460.21	431.27	39.5	39.1	39.1	11.73	11.77	11.03
Transportation equipment	525.78	540.56	500.62	41.4	42.1	40.8	12.70	12.84	12.27
Motor vehicles and equipment	522.42	538.86	500.61	41.2	42.0	40.7	12.68	12.83	12.30
Nondurable Goods[e]	416.30	404.58	369.90	41.3	41.2	41.1	10.08	9.82	9.00
Food and kindred products	424.74	417.78	385.35	41.6	42.5	42.3	10.21	9.83	9.11
Petroleum and coal products	786.91	751.28	612.21	50.9	49.2	46.1	15.46	15.27	13.28
Rubber and misc. plastics products	341.38	336.36	324.21	40.4	39.9	41.3	8.45	8.43	7.85
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	573.65	634.29	567.67	35.0	38.7	36.6	16.39	16.39	15.51
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	470.27	467.40	449.76	41.0	41.0	41.3	11.47	11.40	10.89
WHOLESALE TRADE	336.69	337.95	325.59	38.7	38.8	38.9	8.70	8.71	8.37
RETAIL TRADE[f]	157.54	157.79	157.47	28.8	28.9	29.0	5.47	5.46	5.43
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
NOVEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	November 1982[b]	October 1982[c]	November 1981[c]	October 1982	November 1981
TOTAL	181.8	185.9	201.8	- 2.2	- 9.9
MANUFACTURING	49.5	53.7	68.3	- 7.9	- 27.5
Durable Goods[e]	43.5	47.8	62.5	- 9.0	- 30.4
Stone, clay, and glass products	2.1	2.1	2.0	- 2.5	6.4
Primary metal industries	19.5	21.2	28.9	- 8.0	- 32.4
Blast furnace and basic steel products	8.9	9.3	15.0	- 4.2	- 40.7
Fabricated metal products	8.4	8.4	9.6	.0	- 13.1
Fabricated structural metal products	2.8	2.8	2.8	.5	- 1.4
Machinery, except electrical	4.5	4.6	5.3	- 1.5	- 15.2
Metalworking machinery	2.3	2.3	2.5	- 1.8	- 10.0
Electric and electronic equipment	2.8	2.8	3.1	- .1	- 10.1
Transportation equipment	4.4	6.9	11.6	- 36.3	- 62.4
Nondurable Goods[f]	6.0	5.9	5.8	1.0	2.9
NONMANUFACTURING[g]	132.3	132.2	133.5	.1	- .9
CONSTRUCTION	5.9	6.2	6.7	- 4.8	- 11.9
TRANSPORTATION AND PUBLIC UTILITIES	8.9	8.9	9.4	- .2	- 5.4
Communication, electric, gas services	3.1	3.1	3.3	- .4	- 4.3
WHOLESALE TRADE	7.8	7.8	7.8	- .1	- 1.0
RETAIL TRADE	35.7	35.6	36.4	.3	- 1.9
FINANCE, INSURANCE, AND REAL ESTATE	7.3	7.3	7.2	- .1	2.3
SERVICES	40.3	40.4	39.2	- .3	2.7
GOVERNMENT	25.6	25.0	26.0	2.1	- 1.8
Local government (includes education)	19.8	19.6	20.4	1.2	- 3.0

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
NOVEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	November 1982[b]	October 1982[c]	November 1981[c]	Nov. 1982[b]	Oct. 1982[c]	Nov. 1981[c]	Nov. 1982[b]	Oct. 1982[c]	Nov. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$457.38	$453.52	$472.28	39.6	39.3	40.4	$11.55	$11.54	$11.69
Durable Goods[d]	472.03	467.28	483.20	39.6	39.3	40.3	11.92	11.89	11.99
Stone, clay, and glass products	353.83	344.00	306.94	41.0	40.0	39.2	8.63	8.60	7.83
Primary metal industries	487.13	476.93	505.31	37.5	37.0	38.9	12.99	12.89	12.99
Blast furnace and basic steel products	490.26	485.41	546.80	35.5	35.2	40.0	13.81	13.79	13.67
Fabricated metal products	459.01	440.44	470.42	39.4	38.1	40.8	11.65	11.56	11.53
Fabricated structural metal products	381.02	365.25	358.80	39.2	37.5	39.0	9.72	9.74	9.20
Machinery, except electrical	461.78	440.42	470.60	39.2	38.0	41.1	11.78	11.59	11.45
Metalworking machinery	502.49	466.48	495.23	41.7	39.7	42.4	12.05	11.75	11.68
Electric and electronic equipment	397.72	395.93	348.17	41.3	41.2	39.7	9.63	9.61	8.77
Transportation equipment	603.01	575.65	529.91	47.0	46.2	43.4	12.83	12.46	12.21
Nondurable Goods[e]	338.77	329.09	334.15	39.3	38.9	41.0	8.62	8.46	8.15
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	556.09	593.25	536.42	35.9	38.2	37.2	15.49	15.53	14.42
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	440.50	435.11	439.19	39.9	39.7	43.1	11.04	10.96	10.19
WHOLESALE TRADE	321.58	328.56	341.47	37.7	38.7	40.7	8.53	8.49	8.39
RETAIL TRADE[f]	156.60	157.14	155.93	29.0	29.1	29.7	5.40	5.40	5.25
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.--Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.--Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.--Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.--Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.--Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.--Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.--Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.--Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.--Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.--Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.--Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers.--Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.--Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.--Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.--Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

BEST AVAILABLE COPY

Ohio Labor Market Information
BUREAU OF EMPLOYMENT SERVICES
JOB SERVICE OF OHIO

RICHARD F. CELESTE, *Governor*
DR. ROBERTA STEINBACHER, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
DECEMBER 1982

Unemployment in Ohio, estimated at 712,000 in December, represented 14.1 percent of the civilian labor force—up marginally from November. Total employment declined .8 percent, to 4,332,000. Nonfarm payrolls slipped .2 percent, to 4,176,000, as scattered layoffs offset seasonal gains in retailing.

Employment in Ohio's manufacturing industries totaled 1,065,000 in December, .5 percent below November. Lack of orders led to curtailments in the production of basic steel and of iron and steel castings. Layoffs were also reported by producers of general industrial machinery and electric lighting equipment, and by commercial printers. Employment in the production of concrete dipped seasonally. Auto manufacturers and suppliers of automotive hardware and electrical components, however, reported recalls.

Nonmanufacturing employment in Ohio slipped .2 percent from November, to 3,111,000 in December. Much of the decline occurred among construction industries, as unfavorable weather and contract completions led to curtailed activity. Employment among the service industries was down slightly, due to seasonal cutbacks in private education and outdoor amusements. Losses were moderated, however, as department, apparel, and variety stores added personnel for the Christmas shopping season.

Average weekly earnings of Ohio's factory production workers rose $9 from November, to a record $418 in December. The average workweek, at 40.7 hours, was half an hour longer. December averages reflected stepped-up production schedules and premium overtime in several industries. Increased overtime boosted earnings in the production of communication equipment, household appliances, metal stampings, and automotive hardware. Higher earnings among primary metals industries—basic steel, iron and steel foundries, nonferrous castings—were also attributable to more overtime. Producers of glassware, on the other hand, reported overtime curtailments.

Unemployment in Ohio rose from 600,000 in December 1981 to 712,000 in December 1982, raising the jobless rate from 11.8 to 14.1 percent. Total employment declined 3.2 percent over the year, as nonfarm payrolls dropped 2.9 percent. Job losses in nonelectrical machinery, metal fabrication, and primary metals lowered factory employment, although transportation equipment was up moderately from the year-ago level. Nonmanufacturing was down, as cutbacks in trade, construction, and transportation and utilities offset employment gains in the service industries. Factory production workers grossed $20 more per week in December 1982 than in December 1981, despite a slight reduction in the average workweek.

For additional Labor Market Information, write
WILLIAM PAPIER, *Director of Research and Statistics,* BUREAU OF EMPLOYMENT SERVICES, COLUMBUS 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Akron's nonagricultural wage and salary employment totaled 253,900 in December, down 400 from November. Losses in durable-goods industries lowered manufacturing to 67,500, down 400 for the month. Total nonmanufacturing was little changed as seasonal factors lowered construction employment but boosted retail trade. Production workers in manufacturing industries grossed $10.03 per hour in December, up 8¢ from the previous month. The average workweek, at 41.1 hours, was slightly shorter than in November.

Canton.--December nonfarm payroll employment in Canton totaled 150,600, representing a loss of 300 from November. Manufacturing decreased 500, to 46,500 in December, with losses reported among producers of metals and metal products. Seasonal expansion in retail trade boosted nonmanufacturing, despite layoffs in construction. The average factory production workweek, at 39.3 hours, was up .7 hours from November. Average hourly earnings, at $10.54, were up 11¢ for the month.

Cincinnati.--Nonfarm establishments in Cincinnati employed 583,200 wage and salary workers in December, down 1,900 from November. Durable-goods manufacturing--notably motor vehicles and equipment--accounted for most of the loss. Seasonal cutbacks in construction lowered nonmanufacturing, although moderated by gains in retail trade and education. The average workweek for factory production workers, at 41.4 hours, and average hourly earnings, at $9.75, were on par with November.

Cleveland.--Nonagricultural establishments in Cleveland employed 851,500 wage and salary workers in December, little changed from November. Gains in nonmanufacturing (primarily retail trade) were offset by cutbacks in the manufacture of durable goods. The average factory production worker grossed $10.26 per hour, up 7¢ from November. His workweek rose one hour, to 40.2 in December.

Columbus.--Nonfarm payroll employment in the Columbus area decreased 700 from November, to 511,200 in December. Layoffs attributed to fewer orders for electric and electronic equipment lowered manufacturing to 86,500, down 1,000 for the month. Seasonal changes--gains in retail trade and government, declines in construction and services--netted expansion in nonmanufacturing. The average workweek of factory production workers rose .2 hours, to 40.5 hours. Hourly earnings, at $9.56, increased 6¢ from November.

Dayton.--Workers on nonfarm payrolls in Dayton numbered 345,600 in December, up 700 from November. Recalls in motor vehicles and equipment accounted for the increase, as manufacturing rose 800, to 85,800 for the month. Nonmanufacturing, on the other hand, slipped slightly as seasonal gains in retail stores were offset by losses in other component industries. Production workers in factories grossed $10.03 per hour, up 12¢ from the previous month. Their average workweek, at 40.2 hours, was one hour longer than in November.

Toledo.--Toledo's nonagricultural wage and salary employment declined 1,500 from November, to 285,500 in December. Most of the decrease occurred in manufacturing, as a lack of orders led to layoffs in the motor vehicles industry. In nonmanufacturing, seasonal growth in retail trade only partially offset decreases in services and construction. Earnings of the average production worker, at $11.03 an hour, were up slightly from November. The average workweek, at 41.2, was little changed for the month.

Youngstown-Warren.--Nonagricultural wage and salary employment in the Youngstown-Warren area totaled 184,900 in December, up 2,700 from November. Manufacturing--up 3,000, to 52,800--accounted for the gain, due to recalls by producers of motor vehicles and their suppliers. Nonmanufacturing decreased, however, despite gains in retail trade. Average hourly earnings of factory production workers increased 34¢, to $11.91. Average weekly hours, at 40.9, were up 1.3 hours for the month.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 1-14-83

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1971	244.1	138.1	501.9	829.3	410.9	317.4	263.7	198.1
1972	248.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	600.6	895.6	509.8	355.7	293.1	203.1
1981	259.0	157.3	593.9	880.8	508.3	353.4	290.9	199.1
1981								
December.	260.6	157.0	596.2	875.6	514.7	356.1	290.8	193.1
1982								
January .	252.2	152.9	576.7	856.1	499.9	349.0	281.9	191.8
February.	252.4	152.0	574.8	854.9	498.6	345.5	281.6	185.4
March ...	253.4	152.5	579.6	856.0	501.8	345.3	283.4	187.9
April ...	255.1	153.2	585.4	860.8	504.1	346.3	285.5	186.8
May	257.3	154.6	589.4	866.1	506.3	346.6	288.6	190.4
June	252.1	155.9	592.5	870.1	509.2	347.8	288.1	191.4
July	251.0	155.0	581.7	861.6	501.6	342.7	280.2	187.5
August ..	250.9	153.4	582.4	857.7	502.5	341.0	281.3	183.3
September	255.7	153.3	588.9	856.9	505.4	348.0	287.5	187.4
October .	255.1	151.3	587.5	853.3	511.7	347.3	287.9	185.9
November.	254.2	150.9	585.2	851.4	511.9	344.8	287.0	182.2
December.	253.9	150.6	583.2	851.5	511.2	345.6	285.5	184.9
	MANUFACTURING EMPLOYMENT (in thousands)							
1971	91.7	58.6	160.1	273.5	98.4	112.8	86.2	88.4
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.6	79.9
1980	79.2	55.7	162.5	254.9	96.8	99.3	75.4	70.8
1981	75.9	55.3	158.4	247.4	93.6	97.8	74.0	67.7
1981								
December.	74.3	54.0	156.7	236.9	92.0	96.7	70.1	59.9
1982								
January .	73.0	52.7	151.9	238.0	91.0	95.7	68.5	63.6
February.	72.1	52.1	149.6	236.9	89.9	93.0	68.8	56.8
March ...	71.9	51.8	150.9	234.3	89.2	91.2	68.7	58.7
April ...	71.6	50.7	150.5	233.2	88.4	90.6	68.4	55.9
May	71.4	51.0	151.0	232.6	87.8	90.2	69.0	57.8
June	70.8	52.1	151.7	232.8	88.5	90.7	69.2	57.6
July	69.4	51.7	149.3	228.9	88.3	90.6	67.2	56.8
August ..	69.2	50.3	150.1	226.6	88.0	88.5	68.8	52.7
September	69.6	49.8	151.1	227.7	88.3	89.7	69.1	55.1
October .	68.8	47.7	150.2	221.7	88.2	87.8	66.5	53.7
November.	67.9	47.0	150.2	219.2	87.5	85.0	65.9	49.8
December.	67.5	46.5	148.4	218.4	86.5	85.8	64.7	52.8

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1971	53.8	43.2	111.5	187.4	68.8	82.3	60.6	70.6
1972	53.5	42.2	110.7	188.7	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.9	40.0	104.3	162.3	61.6	64.4	48.8	51.1
1981								
December.	41.4	38.3	102.8	150.4	60.1	63.4	45.9	43.8
1982								
January .	40.2	37.1	98.7	152.0	59.3	62.4	44.3	47.2
February.	39.4	36.6	96.8	151.4	58.2	59.8	44.8	41.2
March ...	39.3	36.2	98.2	149.0	57.5	58.4	44.8	42.8
April ...	39.2	35.2	97.7	148.2	56.8	57.9	44.7	40.4
May	39.1	35.7	98.3	147.7	56.3	57.8	45.1	41.9
June	38.5	36.9	99.1	148.0	57.0	58.4	45.3	42.0
July	37.2	36.4	96.8	144.6	56.9	58.1	43.3	41.1
August ..	37.1	35.3	97.3	142.4	56.7	56.2	45.0	37.3
September	37.7	35.0	98.3	144.3	56.8	57.5	45.5	39.5
October .	37.1	33.2	97.6	138.8	56.5	56.0	43.1	38.4
November.	36.3	32.7	97.7	137.0	55.8	53.3	42.7	35.1
December.	36.0	32.3	95.9	136.4	55.0	54.3	41.6	37.8
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1971	40.6	38.9	41.0	40.6	39.6	40.6	41.4	41.4
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.8
1981								
December.	42.4	40.2	41.1	40.7	40.4	41.1	41.3	39.1
1982								
January .	40.6	38.2	39.8	38.8	39.5	39.5	39.7	39.1
February.	41.6	39.3	39.8	40.2	39.8	40.0	41.0	39.3
March ...	41.2	38.7	39.9	40.1	39.4	39.5	40.9	39.1
April ...	40.8	38.9	40.2	40.1	39.4	39.8	40.3	38.6
May	41.0	38.9	40.6	40.5	39.7	40.0	41.0	39.3
June	41.5	39.4	41.0	41.0	40.1	41.2	41.8	40.1
July	41.0	38.6	40.4	40.0	39.4	41.1	41.8	39.4
August ..	40.2	38.5	40.7	40.1	39.6	40.3	41.4	37.9
September	41.0	39.3	40.5	39.6	39.8	39.8	41.7	39.5
October .	40.5	38.6	40.2	39.2	39.7	39.3	41.3	39.3
November.	41.2	38.6	41.4	39.2	40.3	39.2	41.3	39.6
December.	41.1	39.3	41.4	40.2	40.5	40.2	41.2	40.9

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1971	$4.36	$4.09	$3.89	$4.15	$3.77	$4.49	$4.26	$4.46
1972	4.68	4.48	4.15	4.50	4.06	4.74	4.67	4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1981								
December.	9.71	10.09	9.14	9.71	9.07	9.95	10.46	11.59
1982								
January .	9.73	9.95	9.26	9.82	9.04	9.92	10.58	11.73
February.	9.77	10.05	9.24	9.86	9.05	9.82	10.70	11.70
March ...	9.83	10.01	9.41	9.93	9.12	9.84	10.80	11.69
April ...	9.80	10.08	9.43	9.99	9.18	9.94	10.80	11.59
May	9.78	10.13	9.53	10.12	9.27	10.06	10.91	11.70
June	9.81	10.24	9.62	10.25	9.31	10.42	10.98	11.71
July	9.68	10.15	9.64	10.22	9.37	10.28	11.06	11.85
August ..	9.79	10.34	9.60	10.18	9.40	10.06	10.91	11.64
September	9.91	10.38	9.66	10.26	9.47	10.09	10.88	11.75
October .	9.92	10.45	9.63	10.15	9.49	10.02	11.01	11.54
November.	9.95	10.43	9.75	10.19	9.50	9.91	11.01	11.57
December.	10.03	10.54	9.75	10.26	9.56	10.03	11.03	11.91
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1971	$177.02	$159.10	$159.49	$168.49	$149.29	$182.29	$176.36	$184.64
1972	197.03	181.89	173.89	190.95	164.02	201.45	196.14	201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	395.38	346.80	397.85	406.14	474.10
1981								
December.	411.70	405.62	375.65	395.20	366.43	408.95	432.00	453.17
1982								
January .	395.04	380.09	368.55	381.02	357.08	391.84	420.03	458.64
February.	406.43	394.97	367.75	396.37	360.19	392.80	438.70	459.81
March ...	405.00	387.39	375.46	398.19	359.33	388.68	441.72	457.09
April ...	399.84	392.11	379.09	400.60	361.69	395.61	435.24	[illegible]
May	400.98	394.06	386.92	409.86	368.02	402.40	447.31	459.81
June	407.12	403.46	394.42	420.25	373.33	429.30	458.96	469.57
July	396.88	391.79	389.46	408.80	369.18	422.51	462.31	466.89
August ..	393.56	398.09	390.72	408.22	372.24	405.42	451.67	441.16
September	406.31	407.93	391.23	406.30	376.91	401.58	453.70	464.13
October .	401.76	403.37	387.13	397.88	376.75	393.79	454.71	453.52
November.	409.94	402.60	403.65	399.45	382.85	388.47	454.71	458.17
December.	412.23	414.22	403.65	412.45	387.18	403.21	454.44	487.12

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]

(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
AKRON[b]					**CANTON[c]**				
1971	277.7	261.3	16.3	5.9	1971	164.9	152.3	12.6	7.6
1972	282.2	267.3	14.8	5.3	1972	165.6	155.3	10.3	6.2
1973	287.1	274.9	12.2	4.3	1973	171.2	163.1	8.1	4.7
1974	290.8	277.7	13.0	4.5	1974	175.6	167.5	8.1	4.6
1975	292.0	264.3	27.7	9.5	1975	174.7	158.0	16.7	9.6
1976	291.3	266.3	25.0	8.6	1976	174.4	158.6	15.8	9.1
1977	294.2	274.7	19.5	6.6	1977	175.9	163.1	12.9	7.3
1978	298.9	282.2	16.7	5.6	1978	179.9	170.0	9.9	5.5
1979	303.8	285.4	18.4	6.1	1979	184.3	173.7	10.6	5.7
1980	303.9	278.2	25.7	8.5	1980	187.7	170.8	16.8	9.0
1981	301.8	273.2	28.6	9.5	1981	188.1	170.1	18.0	9.6
1981					1981				
November	304.6	272.2	32.4	10.6	November	188.8	168.9	19.9	10.5
December	302.7	269.0	33.7	11.1	December	187.8	166.2	21.6	11.5
1982					1982				
January	298.4	264.2	34.2	11.5	January	187.7	164.1	23.6	12.6
February	295.5	260.4	35.1	11.9	February	184.6	161.0	23.6	12.8
March	297.2	261.9	35.3	11.9	March	187.3	161.9	25.4	13.6
April	299.7	265.7	34.0	11.4	April	188.5	163.9	24.6	13.1
May	301.5	270.4	31.1	10.3	May	190.3	167.0	23.3	12.2
June	305.4	269.9	35.4	11.6	June	196.5	170.8	25.7	13.1
July	310.8	273.2	37.6	12.1	July	201.7	172.7	29.1	14.4
August	309.8	272.2	37.6	12.1	August	199.0	170.2	28.8	14.5
September	305.7	269.7	36.0	11.8	September	192.6	166.4	26.2	13.6
October	306.8	269.0	37.8	12.3	October	195.4	164.2	31.2	16.0
November[p]	302.6	263.3	39.3	13.0	November[p]	193.0	160.8	32.2	16.7
CINCINNATI[d]					**CLEVELAND[e]**				
1971	550.0	516.0	34.0	6.2	1971	866.7	811.7	55.0	6.3
1972	561.0	529.0	32.0	5.7	1972	873.2	825.2	48.0	5.5
1973	572.0	543.0	29.0	5.1	1973	883.9	849.0	34.9	3.9
1974	595.3	569.8	25.5	4.3	1974	899.1	861.4	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	896.9	826.3	70.6	7.9
1976	604.8	566.6	38.2	6.3	1976	897.7	834.4	63.3	7.0
1977	623.4	588.7	34.7	5.6	1977	908.5	854.4	54.0	5.9
1978	648.3	615.8	32.5	5.0	1978	921.7	878.5	43.2	4.7
1979	663.4	628.1	35.3	5.3	1979	935.8	889.1	46.7	5.0
1980	676.2	628.6	47.5	7.0	1980	937.1	869.0	68.2	7.3
1981	678.6	619.2	59.5	8.8	1981	929.2	850.8	78.4	8.4
1981					1981				
November	684.3	617.1	67.2	9.8	November	931.4	844.3	87.1	9.4
December	679.4	611.6	67.8	10.0	December	921.1	829.1	92.1	10.0
1982					1982				
January	665.4	594.4	71.1	10.7	January	905.6	821.3	84.4	9.3
February	657.0	585.6	71.4	10.9	February	892.2	809.1	83.0	9.3
March	664.3	591.2	73.0	11.0	March	903.7	811.3	92.5	10.2
April	669.7	601.4	68.3	10.2	April	910.4	821.7	88.6	9.7
May	675.9	611.2	64.7	9.6	May	921.3	834.7	86.5	9.4
June	696.8	622.8	74.0	10.6	June	953.0	849.8	103.2	10.8
July	696.7	622.5	74.2	10.6	July	958.8	855.9	102.9	10.7
August	695.4	622.7	72.7	10.5	August	954.2	848.8	105.4	11.0
September	690.0	619.4	70.6	10.2	September	926.4	827.6	98.7	10.7
October	696.3	618.5	77.8	11.2	October	936.4	825.2	111.2	11.9
November[p]	684.5	607.5	76.9	11.2	November[p]	923.9	808.1	115.7	12.5

---

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data are geared to 1980 Census. [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed: Total Unemployed	Unemployed: Unemployment Rate	Year and Month	Civilian Labor Force	Total Employed	Unemployed: Total Unemployed	Unemployed: Unemployment Rate
COLUMBUS[f]					DAYTON[g]				
1971	445.6	425.6	20.0	4.5	1971	349.5	326.1	23.3	6.7
1972	469.1	450.2	18.9	4.0	1972	353.5	336.2	17.3	4.9
1973	485.5	468.3	17.1	3.5	1973	358.0	343.5	14.5	4.1
1974	495.4	475.5	19.9	4.0	1974	359.5	342.5	17.0	4.7
1975	495.0	458.6	36.5	7.4	1975	357.6	327.7	29.9	8.4
1976	503.6	468.5	35.1	7.0	1976	360.5	336.3	24.2	6.7
1977	513.4	483.3	30.1	5.9	1977	368.6	348.3	20.3	5.5
1978	531.4	506.5	24.9	4.7	1978	381.1	363.7	17.3	4.6
1979	543.0	517.1	25.8	4.8	1979	392.2	367.9	24.2	6.2
1980	554.7	523.3	31.5	5.7	1980	390.2	360.9	29.3	7.5
1981	562.5	518.7	43.8	7.8	1981	389.8	357.4	32.4	8.3
1981					1981				
November	570.6	520.4	50.2	8.8	November	393.8	357.1	36.7	9.3
December	563.4	514.2	49.2	8.7	December	391.4	352.2	39.2	10.0
1982					1982				
January	554.8	506.0	48.8	8.8	January	389.5	349.7	39.8	10.2
February	547.5	498.2	49.4	9.0	February	383.4	341.7	41.7	10.9
March	553.8	502.5	51.4	9.3	March	387.5	342.3	45.2	11.7
April	559.6	508.8	50.8	9.1	April	389.7	346.2	43.5	11.2
May	564.4	516.4	48.0	8.5	May	390.3	350.0	40.3	10.3
June	582.0	528.1	53.8	9.2	June	402.2	356.2	46.1	11.5
July	581.1	528.3	52.8	9.1	July	401.3	356.8	44.5	11.1
August	580.3	526.7	53.6	9.2	August	398.9	353.3	45.5	11.4
September	566.5	516.9	49.7	8.8	September	394.7	351.8	42.9	10.9
October	574.0	523.0	51.1	8.9	October	397.0	351.4	45.6	11.5
November[p]	566.9	513.4	53.5	9.4	November[p]	390.0	341.8	48.2	12.4
TOLEDO[h]					YOUNGSTOWN-WARREN[i]				
1971	319.3	300.3	19.1	6.0	1971	225.1	207.1	18.0	8.0
1972	329.4	311.3	18.1	5.5	1972	226.9	212.1	14.8	6.5
1973	339.8	324.2	15.6	4.6	1973	232.5	221.8	10.8	4.6
1974	343.8	324.2	19.7	5.7	1974	236.7	223.7	13.0	5.5
1975	344.8	310.2	34.6	10.0	1975	236.7	209.8	26.9	11.4
1976	347.8	319.4	28.4	8.2	1976	234.2	210.5	23.7	10.1
1977	355.0	329.4	25.6	7.2	1977	234.0	215.0	19.0	8.1
1978	362.1	339.7	22.4	6.2	1978	235.2	217.5	17.7	7.5
1979	368.2	341.7	26.4	7.2	1979	237.1	219.9	17.1	7.2
1980	367.7	329.7	38.0	10.3	1980	238.4	210.4	28.0	11.7
1981	366.9	327.3	39.6	10.8	1981	233.1	205.3	27.7	11.9
1981					1981				
November	368.8	326.1	42.6	11.6	November	235.0	205.6	29.4	12.5
December	365.4	319.9	45.5	12.4	December	232.0	195.0	37.1	16.0
1982					1982				
January	361.0	313.4	47.6	13.2	January	232.6	196.1	36.5	15.7
February	355.7	310.0	45.7	12.8	February	232.8	187.2	45.6	19.6
March	360.2	312.1	48.2	13.4	March	231.2	190.0	41.1	17.8
April	362.5	317.5	45.0	12.4	April	236.5	190.4	46.2	19.5
May	365.1	325.3	39.8	10.9	May	236.5	195.8	40.7	17.2
June	374.5	329.8	44.7	11.9	June	244.2	199.7	44.6	18.2
July	374.3	327.1	47.2	12.6	July	243.4	199.0	44.4	18.2
August	371.6	326.3	45.3	12.2	August	245.9	194.3	51.6	21.0
September	368.8	323.8	45.0	12.2	September	238.6	193.7	45.0	18.8
October	374.9	324.9	50.0	13.3	October	239.8	192.3	47.4	19.8
November[p]	365.0	317.4	47.7	13.1	November[p]	237.9	184.4	53.5	22.5

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data are geared to 1980 Census. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1971	4,416	4,130	286	6.5	5.9
1972	4,510	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,086	4,660	426	8.4	7.1
1981	5,085	4,595	490	9.6	7.6
1981					
December.	5,073	4,473	600	11.8	8.3
1982					
January .	5,032	4,434	598	11.9	9.4
February.	4,967	4,361	606	12.2	9.6
March ...	5,014	4,398	616	12.3	9.5
April ...	5,050	4,444	606	12.0	9.2
May	5,092	4,526	566	11.1	9.1
June	5,251	4,607	644	12.3	9.8
July	5,261	4,617	644	12.2	9.8
August ..	5,235	4,578	657	12.5	9.6
September	5,122	4,493	629	12.3	9.7
October .	5,163	4,482	681	13.2	9.9
November.	5,075	4,367	709	14.0	10.4
December.	5,044	4,332	712	14.1	10.5

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1971	3,839.5	1,333.8	2,505.7
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.5	3,102.8
1981	4,323.1	1,232.5	3,090.5
1981			
December.	4,301.4	1,173.8	3,127.6
1982			
January .	4,190.3	1,167.1	3,023.2
February.	4,171.8	1,148.9	3,022.8
March ...	4,192.5	1,147.4	3,045.1
April ...	4,216.6	1,132.2	3,084.4
May	4,244.4	1,129.5	3,114.9
June	4,256.2	1,133.5	3,122.7
July	4,194.7	1,118.8	3,075.9
August ..	4,179.0	1,106.4	3,072.6
September	4,217.3	1,114.0	3,103.3
October .	4,204.0	1,086.9	3,117.0
November.	4,186.0	1,070.2	3,115.8
December.	4,175.9	1,065.3	3,110.6

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1971	20.8	155.2	223.8	185.5	597.3	158.6	587.4	577.2
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.4	726.6	203.8	830.9	689.9
1981	30.3	154.2	218.4	230.7	715.3	205.2	856.2	680.2
1981								
December.	32.2	149.0	220.1	231.2	740.2	206.3	860.2	688.6
1982								
January .	31.8	126.5	213.4	228.4	692.5	204.5	849.7	676.4
February.	31.7	122.7	212.1	227.7	681.4	204.2	858.2	684.8
March ...	31.8	128.4	211.9	228.8	687.3	204.6	866.5	685.9
April ...	32.4	138.7	214.0	229.4	700.0	205.1	882.1	682.7
May	32.9	145.6	215.1	229.6	708.5	205.8	890.1	687.3
June	33.1	149.0	216.2	230.9	710.8	207.7	900.1	674.7
July	32.8	152.4	215.0	230.5	707.4	208.6	896.1	633.2
August ..	31.9	154.0	214.4	230.2	709.1	208.1	897.8	627.1
September	32.7	153.7	213.6	229.9	711.6	206.9	904.1	650.8
October .	32.0	153.6	211.3	230.2	707.3	206.2	901.2	675.2
November.	32.0	148.6	209.9	229.8	715.0	206.5	895.6	678.5
December.	30.8	136.1	208.8	229.8	727.2	206.8	890.8	680.2

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1971	1,333.8	936.1	397.7	958.1	$160.7	39.0
1972	1,346.8	948.8	398.0	977.6	181.0	40.7
1973	1,426.3	1,018.2	408.1	1,045.0	210.4	44.2
1974	1,416.6	1,013.1	403.5	1,026.5	217.0	42.3
1975	1,267.5	892.4	375.1	899.3	201.9	36.2
1976	1,295.3	910.6	384.6	922.0	232.8	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.5	882.6	382.0	867.8	301.9	35.2
1981	1,232.5	858.9	373.6	847.6	330.4	34.7
1981						
December.	1,173.8	807.0	366.8	794.3	316.3	32.4
1982						
January .	1,167.1	804.8	362.3	789.1	305.8	31.0
February.	1,148.9	789.3	359.7	773.7	306.2	31.0
March ...	1,147.4	789.7	357.7	773.5	306.2	30.9
April ...	1,132.2	776.2	356.1	759.7	302.2	30.3
May	1,129.5	773.4	356.1	757.5	305.7	30.5
June	1,133.5	777.0	356.5	762.1	315.4	31.0
July	1,118.8	765.2	353.6	748.2	305.1	30.0
August ..	1,106.4	750.5	355.8	737.0	298.0	29.5
September	1,114.0	755.8	358.2	745.2	306.0	30.0
October .	1,086.9	735.9	351.0	720.4	291.5	28.7
November.	1,070.2	720.4	349.8	706.2	288.7	28.4
December.	1,065.3	716.5	348.8	701.4	293.2	28.5

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1971	$167.68	$171.36	$158.77	40.7	40.8	40.4	$4.12	$4.20	$3.93
1972	185.12	190.19	172.60	41.6	41.8	40.9	4.45	4.55	4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1981									
December.	398.21	409.22	372.91	40.8	40.8	40.8	9.76	10.03	9.14
1982									
January .	387.50	395.69	366.83	39.3	39.1	39.7	9.86	10.12	9.24
February.	395.79	405.60	373.30	40.1	40.0	40.4	9.87	10.14	9.24
March ...	395.81	406.36	370.93	39.9	39.8	40.1	9.92	10.21	9.25
April ...	397.80	407.55	374.00	39.9	39.8	40.0	9.97	10.24	9.35
May	403.61	414.63	377.21	40.2	40.1	40.3	10.04	10.34	9.36
June	413.92	426.54	381.92	40.7	40.7	40.5	10.17	10.48	9.43
July	407.82	419.60	379.22	40.1	40.0	40.3	10.17	10.49	9.41
August ..	404.40	415.51	379.89	40.0	39.8	40.5	10.11	10.44	9.38
September	410.66	421.60	385.28	40.3	40.0	40.9	10.19	10.54	9.42
October .	404.59	416.31	378.95	39.9	39.8	40.1	10.14	10.46	9.45
November.	408.83	418.80	387.06	40.2	40.0	40.7	10.17	10.47	9.51
December	417.99	429.79	392.90	40.7	40.7	40.8	10.27	10.56	9.63

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1971	68.7	158.5	160.0	200.0	127.4	155.2	80.4	68.2	99.3
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.9	67.4	92.7
1981	61.2	137.9	154.6	203.5	102.0	136.5	70.5	66.3	89.0
1981									
December.	58.2	125.0	148.3	196.6	97.8	119.5	70.0	66.0	84.8
1982									
January .	55.4	126.0	143.3	193.2	97.9	129.8	68.3	65.6	84.0
February.	55.3	123.5	141.1	191.0	97.4	121.3	68.2	65.8	82.1
March ...	54.5	122.6	140.3	189.0	96.9	126.9	68.0	65.2	81.6
April ...	54.0	117.8	139.5	185.9	95.9	123.3	67.5	64.8	81.2
May	54.2	115.3	138.6	183.3	95.4	126.6	67.6	64.2	81.6
June	54.9	116.4	138.4	181.2	96.0	129.2	68.7	63.6	81.5
July	55.0	114.2	135.3	177.3	95.3	127.9	68.6	62.7	80.3
August ..	54.2	113.0	133.4	175.1	93.7	120.4	71.2	62.4	79.9
September	54.6	111.8	134.5	174.0	93.1	126.7	72.4	62.4	80.1
October .	54.2	104.7	131.0	168.8	92.0	125.0	69.2	62.1	77.3
November.	52.6	101.2	129.5	166.1	91.3	120.8	68.1	62.3	77.6
December.	50.9	100.8	128.5	164.9	89.8	123.3	67.9	62.0	77.5
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1971	$162.96	$177.36	$173.40	$169.33	$159.20	$198.55	$163.49	$173.82	$162.80
1972	175.14	204.61	187.87	193.46	164.42	219.99	173.43	187.21	180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	255.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.03	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1981									
December.	359.31	476.80	398.05	403.38	361.34	480.24	379.61	368.16	3[illegible]5.75
1982									
January .	354.09	465.17	369.95	385.66	353.70	464.07	367.54	360.43	369.03
February.	361.00	479.97	387.89	391.55	365.82	476.49	376.28	365.00	382.94
March ...	371.18	466.29	393.03	390.98	361.43	485.44	377.29	357.00	376.25
April ...	368.15	473.14	397.79	387.68	364.05	493.07	380.42	352.08	376.14
May	372.20	473.07	400.57	387.29	366.96	522.22	385.40	358.45	380.55
June	379.86	495.67	408.18	401.79	366.16	541.37	390.45	354.52	395.37
July	380.14	488.71	405.73	390.04	358.75	528.24	385.02	351.50	385.70
August ..	380.83	496.98	399.35	391.24	365.98	502.18	389.06	351.22	385.15
September	393.65	492.35	401.32	394.18	364.94	528.58	400.26	357.27	380.57
October .	386.78	477.98	401.37	399.78	374.46	502.94	387.28	355.15	368.54
November.	387.69	478.37	407.42	393.39	374.14	518.13	393.71	364.65	380.70
December.	391.87	492.35	415.74	405.02	383.76	530.56	398.53	374.45	390.31

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
DECEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1982[b]	November 1982[c]	December 1981[c]	November 1982	December 1981
TOTAL	4175.9	4186.0	4301.4	- .2	- 2.9
MANUFACTURING	1065.3	1070.2	1173.8	- .5	- 9.2
Durable Goods[e]	716.5	720.4	807.0	- .5	- 11.2
Lumber and wood products	12.6	12.8	13.2	- 1.2	- 4.3
Furniture and fixtures	13.3	13.3	14.2	- .6	- 6.7
Household furniture	5.9	6.0	6.6	- 1.7	- 9.5
Stone, clay, and glass products	50.9	52.6	58.2	- 3.4	- 12.7
Glass and glassware, pressed or blown	13.1	13.4	14.6	- 2.7	- 10.1
Structural clay products	4.3	4.4	5.2	- 2.5	- 17.2
Pottery and related products	5.9	6.0	6.5	- 1.5	- 7.9
Primary metal industries	100.8	101.2	125.0	- .4	- 19.4
Blast furnace and basic steel products	50.5	51.0	68.0	- 1.0	- 25.8
Iron and steel foundries	20.3	20.9	21.8	- 2.7	- 6.9
Nonferrous rolling and drawing	16.7	16.0	19.0	4.4	- 12.0
Nonferrous foundries	7.7	7.6	9.2	1.5	- 16.7
Fabricated metal products	128.5	129.5	148.3	- .8	- 13.3
Cutlery, hand tools, and hardware	10.0	9.7	12.1	3.2	- 17.2
Plumbing and heating, except electric	4.2	4.6	4.6	- 6.7	- 8.6
Fabricated structural metal products	31.9	32.3	35.8	- 1.3	- 10.9
Screw machine products, bolts, etc.	8.6	8.7	10.2	- .5	- 15.3
Metal forgings and stampings	35.1	34.9	41.1	.6	- 14.6
Machinery, except electrical	164.9	166.1	196.6	- .7	- 16.1
Construction and related machinery	18.0	18.3	24.5	- 1.6	- 26.5
Metalworking machinery	44.4	44.7	53.6	- .6	- 17.1
Special industry machinery	18.6	18.6	20.4	- .2	- 8.8
General industrial machinery	30.8	31.7	38.1	- 3.1	- 19.2
Electric and electronic equipment	89.8	91.3	97.8	- 1.6	- 8.2
Electrical industrial apparatus	18.7	18.9	23.0	- .7	- 18.4
Household appliances	15.1	15.2	15.6	- 1.1	- 3.3
Electric lighting and wiring equipment	17.7	18.4	19.4	- 3.8	- 8.6
Communication equipment	11.9	12.2	11.8	- 2.6	1.1
Transportation equipment	123.3	120.8	119.5	2.0	3.1
Motor vehicles and equipment	77.2	74.7	75.5	3.3	2.2
Aircraft and parts	38.1	38.0	36.3	.4	5.1
Instruments and related products	20.1	19.8	21.2	1.5	- 5.1
Measuring and controlling devices	11.7	11.4	12.6	2.2	- 7.7
Nondurable Goods[f]	348.8	349.8	366.8	- .3	- 4.9
Food and kindred products	67.9	68.1	70.0	- .3	- 3.0
Meat products	10.9	10.9	11.8	- .5	- 7.5
Dairy products	10.9	10.9	11.5	- .3	- 5.4
Bakery products	10.9	11.1	11.4	- 1.3	- 4.5
Beverages	10.9	10.8	10.7	.5	1.2
Textile mill products	4.3	4.2	4.6	1.8	- 6.7
Apparel and other textile products	17.0	17.2	17.2	- 1.6	- 1.6
Paper and allied products	34.7	34.7	37.0	.0	- 6.2
Paper mills, except building paper	8.8	8.7	9.4	1.2	- 6.1
Misc. converted paper products	11.1	11.1	11.8	- .9	- 6.4
Paperboard containers and boxes	11.6	11.7	12.3	- .5	- 5.6
Printing and publishing	62.0	62.3	66.0	- .5	- 6.0
Newspapers	18.5	18.5	19.6	.2	- 5.8
Commercial printing	22.2	22.6	24.8	- 1.6	- 10.2
Chemicals and allied products	66.6	66.7	67.8	- .1	- 1.7
Industrial inorganic chemicals	12.8	12.9	13.1	- 1.1	- 2.4
Plastics materials and synthetics	9.3	9.3	9.6	- .2	- 2.8
Petroleum and coal products	13.4	13.4	14.0	- .3	- 4.5
Rubber and misc. plastics products	77.5	77.6	84.8	- .1	- 8.6
Tires and inner tubes	21.0	21.1	23.6	- .1	- 11.0
Miscellaneous plastics products	38.3	38.4	41.8	- .4	- 8.3
Leather and leather products	5.4	5.3	5.3	.1	1.3

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
DECEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1982[b]	November 1982[c]	December 1981[c]	Dec. 1982[b]	Nov. 1982[c]	Dec. 1981[c]	Dec. 1982[b]	Nov. 1982[c]	Dec. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$417.99	$408.83	$398.21	40.7	40.2	40.8	$10.27	$10.17	$ 9.76
Durable Goods[d]	429.79	418.80	409.22	40.7	40.0	40.8	10.56	10.47	10.03
Lumber and wood products	294.32	297.35	272.61	39.4	39.7	39.0	7.47	7.49	6.99
Furniture and fixtures	313.98	306.46	296.96	40.1	39.8	39.7	7.83	7.70	7.48
Household furniture	270.72	269.57	258.13	38.4	38.4	38.7	7.05	7.02	6.67
Stone, clay, and glass products	391.87	387.69	359.31	41.6	41.2	40.6	9.42	9.41	8.85
Glass and glassware, pressed or blown.	393.43	403.92	381.12	38.8	39.6	39.7	10.14	10.20	9.60
Structural clay products	281.64	286.23	273.50	40.7	40.6	40.7	6.92	7.05	6.72
Pottery and related products	329.54	320.35	276.77	39.8	39.5	37.3	8.28	8.11	7.42
Primary metal industries	492.35	478.37	476.80	39.2	38.3	40.0	12.56	12.49	11.92
Blast furnace and basic steel products	517.75	497.39	521.89	37.6	36.2	39.9	13.77	13.74	13.08
Iron and steel foundries	477.65	454.17	404.21	41.0	39.7	40.1	11.65	11.44	10.08
Nonferrous rolling and drawing	482.72	487.62	459.87	39.6	40.1	38.1	12.19	12.16	12.07
Nonferrous foundries	379.39	358.30	353.22	41.6	39.9	42.1	9.12	8.98	8.39
Fabricated metal products	415.74	407.42	398.05	40.6	40.1	40.7	10.24	10.16	9.78
Cutlery, hand tools, and hardware	408.58	390.78	413.47	39.4	38.5	41.1	10.37	10.15	10.06
Plumbing and heating, except electric.	357.29	347.14	330.88	40.1	38.4	37.6	8.91	9.04	8.80
Fabricated structural metal products	381.68	382.80	377.07	39.8	40.0	41.3	9.59	9.57	9.13
Screw machine products, bolts, etc.	354.38	353.34	348.69	38.9	39.0	39.4	9.11	9.06	8.85
Metal forgings and stampings	493.73	472.28	456.25	41.7	40.4	40.7	11.84	11.69	11.21
Machinery, except electrical	405.02	393.39	403.38	40.3	39.3	41.5	10.05	10.01	9.72
Construction and related machinery	384.92	373.70	425.12	37.7	37.0	42.3	10.21	10.10	10.05
Metalworking machinery	398.11	388.85	403.50	39.3	38.5	41.3	10.13	10.10	9.77
Special industry machinery	399.73	396.61	395.51	41.9	41.4	43.8	9.54	9.58	9.03
General industrial machinery	394.00	391.00	396.98	40.0	39.1	40.8	9.85	10.00	9.73
Electric and electronic equipment	383.76	374.14	361.34	40.1	39.3	40.6	9.57	9.52	8.90
Electrical industrial apparatus	350.03	345.92	344.05	37.8	37.6	39.5	9.26	9.20	8.71
Household appliances	393.81	374.19	352.95	39.9	38.3	39.0	9.87	9.77	9.05
Electric lighting and wiring equipment	373.35	377.98	342.78	41.3	41.4	41.6	9.04	9.13	8.24
Communication equipment	434.84	398.53	417.18	41.1	38.1	40.9	10.58	10.46	10.20
Transportation equipment	530.56	518.13	480.24	43.1	42.4	41.4	12.31	12.22	11.60
Motor vehicles and equipment	545.18	532.12	492.82	43.2	42.4	41.0	12.62	12.55	12.02
Aircraft and parts	499.48	490.99	448.98	42.8	42.4	42.0	11.67	11.58	10.69
Instruments and related products	290.33	286.89	281.69	39.5	39.3	39.9	7.35	7.30	7.06
Measuring and controlling devices	283.28	275.53	287.28	38.7	37.9	39.9	7.32	7.27	7.20
Nondurable Goods[e]	392.90	387.06	372.91	40.8	40.7	40.8	9.63	9.51	9.14
Food and kindred products	398.53	393.71	379.61	41.6	41.4	41.9	9.58	9.51	9.06
Meat products	412.05	414.00	440.05	41.0	41.4	43.1	10.05	10.00	10.21
Dairy products	391.19	399.81	367.60	42.8	43.6	43.4	9.14	9.17	8.47
Bakery products	397.40	401.60	369.55	39.9	40.2	40.3	9.96	9.99	9.17
Beverages	347.02	336.66	335.91	39.3	38.3	39.8	8.83	8.79	8.44
Textile mill products	270.82	264.80	253.49	38.8	38.6	38.7	6.98	6.86	6.55
Apparel and other textile products	219.86	220.22	211.84	36.4	37.2	37.1	6.04	5.92	5.71
Paper and allied products	412.02	403.92	378.32	43.6	43.2	42.7	9.45	9.35	8.86
Paper mills, except building paper	525.99	524.42	480.48	48.3	48.2	46.2	10.89	10.88	10.40
Misc. converted paper products	365.08	355.26	338.16	42.5	41.6	41.8	8.59	8.54	8.09
Paperboard containers and boxes	365.51	357.57	336.17	41.3	41.1	40.6	8.85	8.70	8.28
Printing and publishing	374.45	364.65	368.16	37.9	37.4	39.0	9.88	9.75	9.44
Newspapers	332.56	324.85	338.98	32.1	31.6	34.0	10.36	10.28	9.97
Commercial printing	372.10	369.97	383.51	38.4	38.7	40.2	9.69	9.56	9.54
Chemicals and allied products	430.97	433.89	398.52	41.4	41.6	41.0	10.41	10.43	9.72
Industrial inorganic chemicals	446.90	442.98	434.50	41.0	41.4	41.9	10.90	10.70	10.37
Plastics materials and synthetics	468.23	471.97	426.72	42.8	43.3	42.0	10.94	10.90	10.16
Petroleum and coal products	643.57	617.43	524.55	46.2	45.2	42.2	13.93	13.66	12.43
Rubber and misc. plastics products	390.31	380.70	386.75	40.7	40.5	41.1	9.59	9.40	9.41
Tires and inner tubes	528.69	520.02	523.84	43.3	42.8	43.4	12.21	12.15	12.07
Miscellaneous plastics products	369.21	355.78	363.71	39.7	39.4	40.1	9.30	9.03	9.07
Leather and leather products	225.18	222.98	191.35	40.5	41.6	37.3	5.56	5.36	5.13

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
DECEMBER 1982 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1982[b]	November 1982[c]	December 1981[c]	November 1982	December 1981
NONMANUFACTURING	3110.6	3115.8	3127.6	- .2	- .5
MINING	30.8	32.0	32.2	- 3.8	- 4.1
Bituminous coal and lignite mining	12.2	13.2	14.3	- 7.3	- 14.9
CONSTRUCTION	136.1	148.6	149.0	- 8.4	- 8.6
General building contractors	33.4	35.2	36.3	- 5.2	- 8.1
Heavy construction contractors	17.9	23.1	22.7	- 22.4	- 21.0
TRANSPORTATION AND PUBLIC UTILITIES	208.8	209.9	220.1	- .5	- 5.1
Railroad transportation	21.3	21.9	25.5	- 2.4	- 16.4
Transportation, except railroads	94.5	94.9	98.2	- .3	- 3.7
Trucking and warehousing	70.3	70.5	74.4	- .3	- 5.4
Communication, electric, gas services	93.0	93.1	96.4	- .2	- 3.5
Communication	52.5	52.6	55.4	- .2	- 5.1
Electric, gas, and sanitary services	40.4	40.5	41.0	- .2	- 1.3
WHOLESALE TRADE	229.8	229.8	231.2	.0	- .6
Wholesale trade-durable goods	147.5	147.5	149.3	.0	- 1.2
Motor vehicles & automotive equipment	20.5	20.5	20.8	- .2	- 1.2
Electrical goods	19.3	19.2	19.6	.5	- 1.4
Machinery, equipment, and supplies	62.2	62.1	62.5	.1	- .5
Wholesale trade-nondurable goods	82.3	82.2	81.8	.0	.5
Groceries and related products	24.5	24.5	24.0	.2	2.0
RETAIL TRADE	727.2	715.0	740.2	1.7	- 1.7
General merchandise stores	126.3	119.2	133.6	5.9	- 5.5
Department stores	115.7	109.1	122.4	6.0	- 5.5
Food stores	120.0	118.9	120.0	.9	.0
Automotive dealers & service stations	68.4	68.9	71.4	- .6	- 4.2
Apparel and accessory stores	38.2	36.1	39.1	5.9	- 2.3
FINANCE, INSURANCE, AND REAL ESTATE	206.8	206.5	206.3	.2	.2
Banking	58.4	58.4	59.3	.1	- 1.4
Credit agencies other than banks	30.9	30.7	30.6	.7	1.3
Insurance carriers	59.1	59.1	59.1	.1	.0
SERVICES	890.8	895.6	860.2	- .5	3.6
Hotels and other lodging places	31.7	32.2	31.2	- 1.5	1.6
Laundry, cleaning, & garment services	17.3	17.4	17.6	- .5	- 1.8
Business services	132.4	132.8	128.7	- .3	2.8
Health services	319.1	318.9	303.4	.1	5.2
Hospitals	175.4	175.5	168.3	.0	4.2
GOVERNMENT	680.2	678.5	688.6	.3	- 1.2
Federal government	88.8	88.7	89.1	.1	- .4
State government	147.7	146.9	147.9	.5	- .1
State government, except education	71.0	70.6	72.2	.6	- 1.7
State government education[i]	76.7	76.4	75.6	.5	1.4
Local government	443.8	442.9	451.6	.2	- 1.7
Local government, except education	184.8	184.7	185.2	.0	- .2
Local government education	258.9	258.2	266.4	.3	- 2.8

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
DECEMBER 1982 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1982[b]	November 1982[c]	December 1981[c]	Dec. 1982[b]	Nov. 1982[c]	Dec. 1981[c]	Dec. 1982[b]	Nov. 1982[c]	Dec. 1981[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$465.76	456.32	449.20	44.4	43.5	44.3	$10.49	$10.49	$10.14
Bituminous coal and lignite mining	557.94	540.68	546.80	42.3	41.4	43.5	13.19	13.06	12.57
CONSTRUCTION	551.63	544.91	520.80	36.8	36.4	37.2	14.99	14.97	14.00
General building contractors	500.65	486.75	470.12	36.2	35.4	36.5	13.83	13.75	12.88
Heavy construction contractors	532.39	512.59	526.50	37.1	35.4	39.0	14.35	14.48	13.50
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	481.43	448.72	452.91	38.7	36.1	37.9	12.44	12.43	11.95
Communication, electric, gas services	434.62	436.11	410.06	39.8	39.9	40.4	10.92	10.93	10.15
Communication	427.98	426.50	403.57	39.3	39.2	39.8	10.89	10.88	10.14
Electric, gas, and sanitary services	443.48	449.90	419.00	40.5	40.9	41.2	10.95	11.00	10.17
WHOLESALE TRADE	320.58	316.18	305.76	39.0	38.7	39.0	8.22	8.17	7.84
Wholesale trade-durable goods	313.21	308.05	300.68	39.2	38.7	39.1	7.99	7.96	7.69
Motor vehicles & automotive equipment	265.87	257.18	275.33	38.2	37.6	38.4	6.96	6.84	7.17
Electrical goods	268.21	260.54	252.38	37.2	36.8	37.5	7.21	7.08	6.73
Machinery, equipment, and supplies	339.39	340.56	317.10	39.1	39.1	39.1	8.68	8.71	8.11
Wholesale trade-nondurable goods	331.87	330.42	315.48	38.5	38.6	38.9	8.62	8.56	8.11
Groceries and related products	364.49	364.08	358.27	41.0	41.0	42.1	8.89	8.88	8.51
RETAIL TRADE[f]	156.94	154.28	155.63	29.5	29.0	29.7	5.32	5.32	5.24
General merchandise stores	160.53	153.85	156.12	31.6	29.7	31.1	5.08	5.18	5.02
Department stores	162.74	156.22	157.99	31.6	29.7	31.1	5.15	5.26	5.08
Food stores	224.54	222.07	237.86	31.1	30.8	32.1	7.22	7.21	7.41
Automotive dealers & service stations	202.38	203.31	194.56	36.4	36.5	37.2	5.56	5.57	5.23
Apparel and accessory stores	119.23	107.43	117.03	27.6	25.7	28.2	4.32	4.18	4.15
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	207.14	204.94	190.24	....	....	....	....	....	....
Credit agencies other than banks	211.18	203.58	195.05	....	....	....	....	....	....
Insurance carriers	282.05	280.47	261.98	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	269.01	267.34	244.89	34.4	34.1	33.5	7.82	7.84	7.31
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
DECEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1982[b]	November 1982[c]	December 1981[c]	November 1982	December 1981
TOTAL	253.9	254.2	260.6	- .2	- 2.6
MANUFACTURING	67.5	67.9	74.3	- .6	- 9.2
Durable Goods[e]	33.0	33.3	37.1	- 1.0	- 11.1
Stone, clay, and glass products	1.6	1.6	1.8	- .4	- 13.4
Fabricated metal products	12.4	12.5	13.8	- 1.3	- 10.3
Machinery, except electrical	8.7	8.9	10.7	- 1.8	- 18.8
Special industry machinery	1.5	1.5	2.1	- 1.4	- 29.2
Nondurable Goods[f]	34.4	34.5	37.2	- .2	- 7.4
Food and kindred products	2.7	2.8	2.8	- 2.7	- 5.7
Chemicals and allied products	3.6	3.6	3.8	1.2	- 5.2
Rubber and misc. plastics products	23.2	23.2	25.3	.0	- 8.5
Tires and inner tubes	17.2	17.2	19.5	- .2	- 11.8
NONMANUFACTURING[g]	186.4	186.4	186.3	.0	.1
CONSTRUCTION	7.0	7.8	7.3	- 10.5	- 4.8
TRANSPORTATION AND PUBLIC UTILITIES	13.3	13.3	13.9	.1	- 4.4
Communication, electric, gas services	5.5	5.5	5.5	.0	- .4
WHOLESALE TRADE	12.4	12.4	12.2	.3	1.8
RETAIL TRADE	47.0	46.2	46.9	1.7	.2
FINANCE, INSURANCE, AND REAL ESTATE	9.2	9.2	9.1	.2	.8
SERVICES	53.1	53.3	51.5	- .3	3.1
GOVERNMENT	43.8	43.6	44.7	.2	- 2.2
State government (includes education)	15.0	14.8	14.8	1.1	1.3
Local government (includes education)	26.7	26.7	27.8	- .2	- 4.1

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
DECEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1982[b]	November 1982[c]	December 1981[c]	Dec. 1982[b]	Nov. 1982[c]	Dec. 1981[c]	Dec. 1982[b]	Nov. 1982[c]	Dec. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$412.23	$409.94	$411.70	41.1	41.2	42.4	$10.03	$ 9.95	$ 9.71
Durable Goods[d]	411.82	405.14	407.98	41.1	40.8	42.9	10.02	9.93	9.51
Stone, clay, and glass products	385.22	385.14	358.57	42.1	42.0	40.7	9.15	9.17	8.81
Fabricated metal products	394.74	390.00	410.45	39.2	39.0	42.8	10.07	10.00	9.59
Machinery, except electrical	427.82	412.43	408.27	43.7	42.3	43.9	9.79	9.75	9.30
Special industry machinery	380.89	374.66	377.58	41.0	39.9	43.3	9.29	9.39	8.72
Nondurable Goods[e]	413.65	414.34	415.75	41.2	41.6	41.7	10.04	9.96	9.97
Food and kindred products	445.31	439.94	415.58	44.8	44.8	44.4	9.94	9.82	9.36
Chemicals and allied products	428.09	440.77	387.13	40.5	42.3	40.2	10.57	10.42	9.63
Rubber and misc. plastics products	424.45	423.61	438.23	41.9	41.9	42.3	10.13	10.11	10.36
Tires and inner tubes	543.85	538.79	546.92	43.3	43.0	44.0	12.56	12.53	12.43
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	550.79	565.40	512.26	36.5	37.1	38.4	15.09	15.24	13.34
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	440.98	437.89	413.10	39.8	39.7	40.5	11.08	11.03	10.20
WHOLESALE TRADE	296.86	290.61	281.60	39.9	38.8	37.9	7.44	7.49	7.43
RETAIL TRADE[f]	174.60	170.52	177.98	30.0	29.4	30.9	5.82	5.90	5.76
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Date relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
DECEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1982[b]	November 1982[c]	December 1981[c]	November 1982	December 1981
TOTAL	150.6	150.9	157.0	- .2	- 4.1
MANUFACTURING	46.5	47.0	54.0	- 1.1	- 13.8
Durable Goods[e]	35.0	35.4	42.1	- 1.2	- 17.0
Stone, clay, and glass products	2.0	2.0	2.1	.1	- 6.9
Primary metal industries	9.9	10.2	13.2	- 2.6	- 24.6
Fabricated metal products	8.6	8.7	9.8	- 1.0	- 12.1
Fabricated structural metal products	2.8	2.9	3.4	- 2.8	- 18.8
Metal forgings and stampings	2.3	2.3	2.8	- .3	- 18.2
Nondurable Goods[f]	11.6	11.6	11.8	- .7	- 2.4
Food and kindred products	4.2	4.2	4.4	.3	- 3.5
Rubber and misc. plastics products	2.9	2.9	2.8	.8	2.2
NONMANUFACTURING[g]	104.1	103.8	103.0	.2	1.0
CONSTRUCTION	4.8	5.2	5.1	- 7.9	- 6.1
TRANSPORTATION AND PUBLIC UTILITIES	6.8	6.8	7.2	- .6	- 5.4
Communication, electric, gas services	3.0	3.0	3.1	.1	- 4.5
WHOLESALE TRADE	7.5	7.4	7.3	.3	2.5
RETAIL TRADE	26.9	26.4	26.6	1.8	1.0
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.4	6.3	.5	3.1
SERVICES	31.1	31.1	30.1	- .1	3.4
GOVERNMENT	19.1	18.9	19.0	.9	.2
Local government (includes education)	16.1	15.9	15.9	.8	1.2

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
DECEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1982[b]	November 1982[c]	December 1981[c]	Dec. 1982[b]	Nov. 1982[c]	Dec. 1981[c]	Dec. 1982[b]	Nov. 1982[c]	Dec. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$414.22	$402.60	$405.62	39.3	38.6	40.2	$10.54	$10.43	$10.09
Durable Goods[d]	421.76	405.65	412.17	38.8	37.7	39.9	10.87	10.76	10.33
Stone, clay, and glass products	264.47	260.43	274.63	40.5	39.7	41.8	6.53	6.56	6.57
Primary metal industries	475.27	443.42	464.13	36.7	34.4	38.2	12.95	12.89	12.15
Fabricated metal products	450.96	446.72	423.55	40.3	40.5	40.3	11.19	11.03	10.51
Fabricated structural metal products	408.39	429.55	444.53	38.6	40.6	44.1	10.58	10.58	10.08
Metal forgings and stampings	542.10	508.07	493.54	41.7	40.1	41.3	13.00	12.67	11.95
Nondurable Goods[e]	391.11	393.34	377.98	41.3	41.8	41.4	9.47	9.41	9.13
Food and kindred products	441.15	441.41	461.81	41.5	41.8	42.8	10.63	10.56	10.79
Rubber and misc. plastics products	402.04	409.61	361.49	46.0	46.6	44.3	8.74	8.79	8.16
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	540.20	517.62	491.95	36.5	35.6	35.7	14.80	14.54	13.78
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	448.63	449.75	423.12	40.2	40.3	41.2	11.16	11.16	10.27
WHOLESALE TRADE	293.09	286.89	301.50	37.1	36.5	40.2	7.90	7.86	7.50
RETAIL TRADE[f]	151.85	151.19	148.30	29.6	29.3	29.9	5.13	5.16	4.96
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay perio[illegible]ch include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
DECEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1982[b]	November 1982[c]	December 1981[c]	November 1982	December 1981
TOTAL	583.2	585.2	596.2	- .3	- 2.2
MANUFACTURING	148.4	150.2	156.7	- 1.2	- 5.3
Durable Goods[e]	80.8	82.6	87.1	- 2.2	- 7.2
Furniture and fixtures	2.3	2.2	2.4	3.0	- 5.9
Primary metal industries	1.9	1.8	2.5	2.6	- 25.7
Fabricated metal products	12.5	12.5	13.8	- .2	- 9.1
Fabricated structural metal products	4.1	4.2	4.5	- 2.2	- 10.1
Machinery, except electrical	22.5	22.6	25.6	- .2	- 11.9
Metalworking machinery	11.7	11.7	13.4	- .7	- 13.1
General industrial machinery	3.1	3.1	3.8	.0	- 18.5
Electric and electronic equipment	7.9	8.0	8.6	- .8	- 7.6
Transportation equipment	23.0	24.2	23.4	- 4.7	- 1.5
Motor vehicles and equipment	8.1	9.1	7.9	- 11.8	1.7
Nondurable Goods[f]	67.6	67.6	69.7	.0	- 3.0
Food and kindred products	16.1	16.2	17.0	- .2	- 5.3
Meat products	2.2	2.2	2.5	.9	- 11.9
Bakery products	2.4	2.4	2.6	- .8	- 7.6
Beverages	5.0	5.0	5.1	- .3	- 3.1
Apparel and other textile products	4.0	4.1	3.9	- 2.6	3.4
Paper and allied products	6.1	5.9	6.3	2.0	- 3.4
Printing and publishing	11.3	11.2	11.8	.2	- 5.0
Chemicals and allied products	22.1	22.1	22.2	.1	- .2
Rubber and misc. plastics products	3.9	4.0	4.2	- 2.2	- 7.7
NONMANUFACTURING[g]	434.8	434.9	439.5	.0	- 1.1
CONSTRUCTION	18.8	21.2	21.7	- 11.2	- 13.4
TRANSPORTATION AND PUBLIC UTILITIES	32.1	32.2	33.4	- .3	- 4.0
Communication, electric, gas services	14.0	14.0	14.3	- .1	- 2.2
WHOLESALE TRADE	37.6	37.5	38.2	.1	- 1.6
RETAIL TRADE	103.7	101.8	105.5	1.9	- 1.7
FINANCE, INSURANCE, AND REAL ESTATE	32.4	32.4	32.6	.1	- .8
Banking	7.3	7.3	7.5	.1	- 2.4
Insurance carriers	11.3	11.2	11.4	.3	- .8
SERVICES	127.8	128.0	123.7	- .1	3.3
GOVERNMENT	82.0	81.5	84.1	.6	- 2.5
Federal government	12.5	12.5	12.6	- .2	- .7
State government (includes education)	18.8	18.6	18.5	.8	1.7
Local government	50.7	50.4	53.0	.7	- 4.3
Local government, except education	21.8	21.8	21.7	- .3	.2
Local government education	29.0	28.6	31.3	1.4	- 7.4

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
DECEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1982[b]	November 1982[c]	December 1981[c]	Dec. 1982[b]	Nov. 1982[c]	Dec. 1981[c]	Dec. 1982[b]	Nov. 1982[c]	Dec. 1981[c]
TOTAL	......	....	......	....	....	....	....	....	....
MANUFACTURING	$403.65	$403.65	$375.65	41.4	41.4	41.1	$ 9.75	$ 9.75	$ 9.14
Durable Goods[d]	389.50	385.29	368.67	41.0	40.6	41.1	9.50	9.49	8.97
Furniture and fixtures	261.57	273.06	268.22	35.3	36.8	38.1	7.41	7.42	7.04
Primary metal industries	362.88	349.75	378.10	37.8	36.7	39.1	9.60	9.53	9.67
Fabricated metal products	380.52	376.48	361.15	42.0	41.6	40.9	9.06	9.05	8.83
Fabricated structural metal products	345.26	336.20	340.42	41.9	41.1	43.2	8.24	8.18	7.88
Machinery, except electrical	336.69	329.95	352.97	38.7	38.1	40.9	8.70	8.66	8.63
Metalworking machinery	352.86	341.87	378.80	37.3	36.1	40.6	9.46	9.47	9.33
General industrial machinery	336.80	316.92	343.31	40.0	38.0	40.2	8.42	8.34	8.54
Electric and electronic equipment	303.22	299.30	289.60	40.7	39.8	40.0	7.45	7.52	7.24
Transportation equipment	545.28	538.90	483.19	42.6	42.3	42.2	12.80	12.74	11.45
Motor vehicles and equipment	599.68	580.44	535.52	42.5	42.0	42.2	14.11	13.82	12.69
Nondurable Goods[e]	418.84	424.27	383.05	41.8	42.3	41.1	10.02	10.03	9.32
Food and kindred products	485.46	489.07	440.37	43.5	44.1	42.1	11.16	11.09	10.46
Meat products	432.43	476.56	503.94	41.5	45.3	45.4	10.42	10.52	11.10
Bakery products	426.38	416.53	393.13	42.3	41.2	42.5	10.08	10.11	9.25
Beverages	463.18	463.18	372.13	45.1	45.1	39.8	10.27	10.27	9.35
Apparel and other textile products	215.45	229.71	222.26	37.6	40.3	37.8	5.73	5.70	5.88
Paper and allied products	358.48	357.28	334.65	41.3	41.4	42.2	8.68	8.63	7.93
Printing and publishing	402.98	390.91	381.20	39.2	38.4	40.0	10.28	10.18	9.53
Chemicals and allied products	467.84	488.42	413.47	42.3	43.3	41.1	11.06	11.28	10.06
Rubber and misc. plastics products	346.81	339.39	305.21	43.9	43.4	41.3	7.90	7.82	7.39
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	551.97	524.52	530.22	37.6	36.0	38.2	14.68	14.57	13.88
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	412.34	415.63	377.91	38.9	39.1	38.8	10.60	10.63	9.74
WHOLESALE TRADE	330.40	319.55	305.76	39.1	38.5	39.2	8.45	8.30	7.80
RETAIL TRADE[f]	161.08	155.48	156.55	30.8	29.9	31.0	5.23	5.20	5.05
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	203.52	202.41	192.35	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
DECEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1982[b]	November 1982[c]	December 1981[c]	November 1982	December 1981
TOTAL	851.5	851.4	875.6	.0	- 2.8
MANUFACTURING	218.4	219.2	236.9	- .3	- 7.8
Durable Goods[e]	153.0	153.7	170.1	- .5	- 10.1
Furniture and fixtures	2.2	2.2	2.2	1.4	- .3
Primary metal industries	24.2	24.4	24.7	- .8	- 2.1
Blast furnace and basic steel products	12.2	12.4	14.2	- 1.8	- 14.4
Iron and steel foundries	6.3	6.3	3.7	.4	71.2
Nonferrous foundries	2.6	2.6	3.0	2.3	- 12.3
Fabricated metal products	34.4	34.5	37.8	- .3	- 9.0
Fabricated structural metal products	3.9	3.8	4.5	1.5	- 14.7
Screw machine products, bolts, etc.	5.2	5.3	5.9	- 1.8	- 11.6
Metal forgings and stampings	12.2	12.2	12.8	- .1	- 5.1
Machinery, except electrical	34.8	35.2	44.0	- 1.0	- 21.0
Construction and related machinery	4.8[h]	4.9[h]	7.3	- 2.1	- 34.7
Metalworking machinery	12.5	12.6	15.9	- .4	- 21.2
Special industry machinery	4.1	4.1	4.3	- .6	- 4.5
General industrial machinery	2.7	2.7	3.7	- 1.9	- 27.9
Electric and electronic equipment	23.6	23.6	25.3	- .2	- 6.8
Electrical industrial apparatus	7.7	7.7	8.9	- .7	- 14.1
Transportation equipment	19.7	19.5	20.5	1.3	- 3.9
Motor vehicles and equipment	12.9	12.7	13.2	2.0	- 1.9
Instruments and related products	6.1	6.1	6.6	.0	- 6.5
Nondurable Goods[f]	65.4	65.5	66.8	.0	- 2.0
Food and kindred products	8.2	8.2	8.3	- .1	- 1.3
Bakery products	1.7	1.8	1.9	- 1.5	- 6.6
Beverages	1.6	1.6	1.5	- .5	4.1
Apparel and other textile products	5.4	5.3	5.4	.4	- 1.4
Paper and allied products	4.9	5.0	4.9	- 1.5	- .2
Printing and publishing	14.8	14.8	15.6	- .1	- 5.0
Chemicals and allied products	15.2	15.3	16.0	- .3	- 4.5
Industrial inorganic chemicals	3.9	3.9	4.3	- .1	- 8.7
Rubber and misc. plastics products	10.4	10.3	10.2	.7	1.8
NONMANUFACTURING[g]	633.1	632.2	638.7	.1	- .9
CONSTRUCTION	25.0	27.0	26.9	- 7.4	- 7.2
TRANSPORTATION AND PUBLIC UTILITIES	43.8	43.8	45.7	.0	- 4.2
Communication, electric, gas services	19.6	19.6	20.1	.1	- 2.4
WHOLESALE TRADE	61.0	61.0	62.0	.1	- 1.5
RETAIL TRADE	139.6	136.5	142.5	2.3	- 2.0
FINANCE, INSURANCE, AND REAL ESTATE	47.5	47.5	48.0	.0	- .9
Banking	13.2	13.2	13.5	- .3	- 2.3
Insurance carriers	11.7	11.7	11.9	- .1	- 1.7
SERVICES	198.5	199.4	193.5	- .4	2.6
GOVERNMENT	116.3	115.8	118.9	.4	- 2.2
Federal government	19.4	19.2	19.9	1.0	- 2.6
State government (includes education)	8.0	7.8	8.2	2.9	- 1.6
Local government	88.8	88.8	90.8	.1	- 2.2
Local government, except education	45.4	45.2	45.5	.4	- .3
Local government education	43.4	43.6	45.3	- .3	- 4.1

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
DECEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1982[b]	November 1982[c]	December 1981[c]	Dec. 1982[b]	Nov. 1982[c]	Dec. 1981[c]	Dec. 1982[b]	Nov. 1982[c]	Dec. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$412.45	$399.45	$395.20	40.2	39.2	40.7	$10.26	$10.19	$ 9.71
Durable Goods[d]	436.59	419.33	413.69	40.5	39.3	41.0	10.78	10.67	10.09
Furniture and fixtures	330.07	328.80	308.59	40.4	41.1	41.2	8.17	8.00	7.49
Primary metal industries	477.40	448.72	449.68	38.5	36.6	38.9	12.40	12.26	11.56
Blast furnace and basic steel products	489.26	452.24	496.69	35.3	32.7	37.8	13.86	13.83	13.14
Iron and steel foundries	551.93	519.47	474.81	42.1	40.3	39.9	13.11	12.89	11.90
Nonferrous foundries	347.90	336.31	310.27	40.5	39.8	38.4	8.59	8.45	8.08
Fabricated metal products	450.05	427.28	401.94	42.1	40.5	40.6	10.69	10.55	9.90
Fabricated structural metal products	346.52	341.47	325.98	41.4	40.7	39.9	8.37	8.39	8.17
Screw machine products, bolts, etc.	361.52	355.30	369.36	38.5	38.0	40.5	9.39	9.35	9.12
Metal forgings and stampings	574.57	531.23	480.33	44.3	41.6	40.5	12.97	12.77	11.86
Machinery, except electrical	401.84	394.75	425.34	38.9	38.4	41.7	10.33	10.28	10.20
Construction and related machinery	424.86	390.96	489.90	37.9	36.0	42.6	11.21	10.86	11.50
Metalworking machinery	396.02	389.16	416.25	38.3	37.6	41.5	10.34	10.35	10.03
Special industry machinery	431.90	434.02	422.94	40.9	41.1	42.0	10.56	10.56	10.07
General industrial machinery	377.10	374.75	435.74	37.3	37.4	43.1	10.11	10.02	10.11
Electric and electronic equipment	361.42	355.89	365.08	39.2	38.6	42.6	9.22	9.22	8.57
Electrical industrial apparatus	348.61	340.12	349.98	35.5	34.6	38.8	9.82	9.83	9.02
Transportation equipment	554.78	532.00	485.07	44.1	42.8	40.9	12.58	12.43	11.86
Motor vehicles and equipment	583.86	557.70	498.13	44.4	42.9	40.4	13.15	13.00	12.33
Instruments and related products	338.15	330.40	321.48	40.4	40.0	42.3	8.37	8.26	7.60
Nondurable Goods[e]	348.69	347.99	341.54	39.4	39.1	39.9	8.85	8.90	8.56
Food and kindred products	353.10	368.34	344.76	40.4	40.7	40.8	8.74	9.05	8.45
Bakery products	365.27	379.53	361.56	38.9	39.7	39.3	9.39	9.56	9.20
Beverages	348.62	343.78	343.35	43.2	42.6	45.0	8.07	8.07	7.63
Apparel and other textile products	251.78	245.97	248.57	37.3	35.7	38.3	6.75	6.89	6.49
Paper and allied products	364.91	360.70	368.41	40.1	39.9	42.2	9.10	9.04	8.73
Printing and publishing	371.88	362.97	357.40	37.3	37.0	37.9	9.97	9.81	9.43
Chemicals and allied products	414.72	414.93	407.30	40.5	40.6	41.1	10.24	10.22	9.91
Industrial inorganic chemicals	415.67	413.66	417.96	40.2	40.2	40.5	10.34	10.29	10.32
Rubber and misc. plastics products	315.99	316.40	295.00	40.1	40.0	40.3	7.88	7.91	7.32
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	641.25	642.75	569.30	37.5	37.5	36.8	17.10	17.14	15.47
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	466.80	468.40	444.31	40.0	40.0	40.8	11.67	11.71	10.89
WHOLESALE TRADE	333.37	331.27	326.93	38.9	38.7	39.2	8.57	8.56	8.34
RETAIL TRADE[f]	164.73	163.24	159.57	28.5	28.0	28.7	5.78	5.83	5.56
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	240.38	236.51	218.09	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
DECEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1982[b]	November 1982[c]	December 1981[c]	November 1982	December 1981
TOTAL	511.2	511.9	514.7	-.1	-.7
MANUFACTURING	86.5	87.5	92.0	-1.2	-6.0
Durable Goods[e]	53.6	54.5	58.5	-1.6	-8.3
Stone, clay, and glass products	8.9	9.0	9.5	-1.2	-6.1
Fabricated metal products	8.5	8.4	10.5	1.9	-19.1
Machinery, except electrical	10.2	10.2	11.8	-.2	-14.1
Electric and electronic equipment	10.4	11.4	11.8	-8.3	-11.9
Transportation equipment	7.0	7.0	6.1	1.1	15.4
Nondurable Goods[f]	32.9	33.0	33.5	-.4	-1.8
Food and kindred products	10.7	10.7	10.5	-.3	1.7
Printing and publishing	8.4	8.5	8.5	-.6	-1.0
Chemicals and allied products	6.1	6.1	6.1	-.3	-.4
Rubber and misc. plastics products	2.7	2.7	2.9	-.6	-9.0
NONMANUFACTURING[g]	424.8	424.4	422.8	.1	.5
CONSTRUCTION	15.9	17.3	17.4	-7.7	-8.4
TRANSPORTATION AND PUBLIC UTILITIES	23.3	23.3	24.7	-.1	-5.7
Communication, electric, gas services	11.0	11.0	11.6	.1	-5.0
WHOLESALE TRADE	27.7	27.7	27.4	.1	1.2
RETAIL TRADE	97.5	96.0	98.5	1.6	-1.0
FINANCE, INSURANCE, AND REAL ESTATE	41.9	41.8	40.1	.3	4.6
Banking	8.3	8.2	8.0	.7	3.4
Insurance carriers	18.0	18.0	17.4	-.1	3.8
SERVICES	114.4	115.1	109.2	-.6	4.7
GOVERNMENT	103.1	102.4	104.7	.7	-1.5
Federal government	11.3	11.3	11.5	-.2	-2.0
State government	49.9	49.4	50.5	1.0	-1.2
State government, except education	28.7	28.6	29.4	.2	-2.5
State government education[i]	21.2	20.8	21.1	2.1	.7
Local government	42.0	41.7	42.7	.6	-1.7
Local government, except education	17.2	17.3	17.2	-.3	-.1
Local government education	24.8	24.5	25.5	1.3	-2.7

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
DECEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1982[b]	November 1982[c]	December 1981[c]	Dec. 1982[b]	Nov. 1982[c]	Dec. 1981[c]	Dec. 1982[b]	Nov. 1982[c]	Dec. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$387.18	$382.85	$366.43	40.5	40.3	40.4	$ 9.56	$ 9.50	$ 9.07
Durable Goods[d]	404.19	397.39	382.17	40.5	40.1	40.7	9.98	9.91	9.39
Stone, clay, and glass products	364.31	371.59	358.40	39.3	39.7	40.0	9.27	9.36	8.96
Fabricated metal products	459.41	452.99	429.79	40.8	40.7	40.7	11.26	11.13	10.56
Machinery, except electrical	389.27	380.55	380.42	41.5	40.7	42.6	9.38	9.35	8.93
Electric and electronic equipment	409.91	383.67	368.85	41.7	39.8	40.4	9.83	9.64	9.13
Transportation equipment	524.07	513.17	447.12	44.3	43.6	43.2	11.83	11.77	10.35
Nondurable Goods[e]	356.40	355.72	335.16	40.5	40.7	39.9	8.80	8.74	8.40
Food and kindred products	359.50	359.94	334.97	41.9	42.0	41.0	8.58	8.57	8.17
Printing and publishing	432.40	412.63	401.49	40.0	38.6	39.4	10.81	10.69	10.19
Chemicals and allied products	382.55	396.61	359.16	40.1	41.4	41.0	9.54	9.58	8.76
Rubber and misc. plastics products	276.71	284.72	295.97	39.7	40.5	40.6	6.97	7.03	7.29
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	466.83	480.25	464.63	35.8	36.3	37.5	13.04	13.23	12.99
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	449.16	449.16	427.03	39.4	39.4	40.4	11.40	11.40	10.57
WHOLESALE TRADE	314.01	313.24	290.61	39.3	39.5	38.8	7.99	7.93	7.49
RETAIL TRADE[f]	154.57	154.12	149.35	29.0	28.7	29.4	5.33	5.37	5.08
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	234.75	229.51	184.02	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
DECEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1982[b]	November 1982[c]	December 1981[c]	November 1982	December 1981
TOTAL	345.6	344.8	356.1	.2	-3.0
MANUFACTURING	85.8	85.0	96.7	1.0	-11.3
Durable Goods[e]	59.2	58.3	66.7	1.6	-11.3
Stone, clay, and glass products	1.9	2.0	2.2	-4.2	-13.7
Fabricated metal products	6.3	6.4	7.0	-2.1	-9.8
Machinery, except electrical	28.3	28.3	31.7	.0	-10.7
Metalworking machinery	6.0	6.0	7.0	1.2	-14.4
Electric and electronic equipment	4.5	4.6	5.4	-1.6	-16.7
Electrical industrial apparatus	2.6	2.6	3.3	.4	-21.8
Transportation equipment	12.4	11.2	14.3	11.4	-13.2
Nondurable Goods[f]	26.6	26.7	30.0	-.3	-11.4
Food and kindred products	3.3	3.3	3.1	-1.5	5.2
Paper and allied products	5.0	5.1	5.6	-.3	-9.8
Printing and publishing	7.6	7.6	9.0	-.7	-15.5
Rubber and misc. plastics products	7.1	7.2	8.8	-.4	-18.7
NONMANUFACTURING[g]	259.8	259.9	259.4	.0	.2
CONSTRUCTION	10.3	11.2	11.1	-7.8	-7.2
TRANSPORTATION AND PUBLIC UTILITIES	12.5	12.6	13.3	-.9	-5.9
Communication, electric, gas services	5.8	5.9	6.6	-1.2	-11.4
WHOLESALE TRADE	16.9	16.7	16.7	.6	.7
RETAIL TRADE	57.7	56.4	59.0	2.3	-2.2
FINANCE, INSURANCE, AND REAL ESTATE	13.9	14.0	13.7	-.1	1.7
SERVICES	78.3	78.6	75.1	-.4	4.2
GOVERNMENT	69.8	69.9	70.0	-.2	-.4
Federal government	26.0	26.0	25.8	-.1	.8
State government (includes education)	6.3	6.4	6.0	-.8	5.8
Local government	37.5	37.5	38.3	-.2	-2.1
Local government, except education	12.5	12.6	13.1	-.5	-3.9
Local government education	24.9	24.9	25.2	-.1	-1.2

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
DECEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1982[b]	November 1982[c]	December 1981[c]	Dec. 1982[b]	Nov. 1982[c]	Dec. 1981[c]	Dec. 1982[b]	Nov. 1982[c]	Dec. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$403.21	$388.47	$408.95	40.2	39.2	41.1	$10.03	$ 9.91	$ 9.95
Durable Goods[d]	399.37	383.38	407.53	40.3	39.2	41.5	9.91	9.78	9.82
Stone, clay, and glass products	353.38	377.90	373.76	40.9	41.3	38.1	8.64	9.15	9.81
Fabricated metal products	306.15	304.51	314.20	39.2	38.4	40.7	7.81	7.93	7.72
Machinery, except electrical	420.25	407.32	432.15	41.0	39.7	43.0	10.25	10.26	10.05
Metalworking machinery	426.01	411.03	425.10	41.4	40.1	43.6	10.29	10.25	9.75
Electric and electronic equipment	317.18	301.90	305.66	41.3	40.2	41.7	7.68	7.51	7.33
Electrical industrial apparatus	334.15	321.99	327.81	40.8	39.9	41.6	8.19	8.07	7.88
Transportation equipment	486.38	462.43	503.03	39.9	38.6	40.6	12.19	11.98	12.39
Nondurable Goods[e]	411.20	398.82	412.45	40.0	39.1	40.2	10.28	10.20	10.26
Food and kindred products	411.83	414.12	417.74	40.1	40.6	40.4	10.27	10.20	10.34
Paper and allied products	365.03	374.05	323.97	42.2	42.7	40.7	8.65	8.76	7.96
Printing and publishing	390.40	379.41	414.86	36.9	36.1	40.2	10.58	10.51	10.32
Rubber and misc. plastics products	499.75	468.60	504.27	40.4	38.6	39.8	12.37	12.14	12.67
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	508.64	490.52	498.13	37.1	35.7	38.2	13.71	13.74	13.04
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	430.02	434.27	416.07	39.2	39.3	40.2	10.97	11.05	10.35
WHOLESALE TRADE	307.57	308.25	286.88	40.9	41.1	41.1	7.52	7.50	6.98
RETAIL TRADE[f]	151.12	149.12	150.37	29.4	28.9	29.6	5.14	5.16	5.08
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
DECEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1982[b]	November 1982[c]	December 1981[c]	November 1982	December 1981
TOTAL	285.5	287.0	290.8	- .5	- 1.8
MANUFACTURING	64.7	65.9	70.1	- 1.9	- 7.8
Durable Goods[e]	49.5	50.9	54.2	- 2.7	- 8.6
Stone, clay, and glass products	11.1	11.2	12.7	- .7	- 12.4
Primary metal industries	3.6	3.6	4.0	- .7	- 10.1
Fabricated metal products	6.6	6.6	6.6	.1	- .4
Metal forgings and stampings	3.1	3.0	3.0	2.0	3.3
Machinery, except electrical	5.6	5.7	6.5	- .9	- 13.5
General industrial machinery	1.7	1.7	1.9	.0	- 12.2
Transportation equipment	15.2	16.4	16.4	- 7.3	- 7.5
Motor vehicles and equipment	13.7	14.9	15.0	- 8.0	- 8.9
Nondurable Goods[f]	15.1	15.0	16.0	.9	- 5.0
Food and kindred products	3.9	3.8	4.1	2.0	- 4.7
Petroleum and coal products	1.6	1.6	1.7	.0	- .8
Rubber and misc. plastics products	2.9	2.9	3.0	.3	- 4.9
NONMANUFACTURING[g]	220.8	221.1	220.7	- .1	.1
CONSTRUCTION	9.9	10.6	11.0	- 6.6	- 10.3
TRANSPORTATION AND PUBLIC UTILITIES	18.7	18.8	19.3	- .6	- 3.2
Communication, electric, gas services	7.7	7.7	7.7	.1	.7
WHOLESALE TRADE	14.2	14.3	14.6	- .3	- 2.4
RETAIL TRADE	52.5	51.6	53.4	1.6	- 1.8
FINANCE, INSURANCE, AND REAL ESTATE	10.7	10.8	10.6	- .1	1.7
SERVICES	67.3	67.6	64.6	- .5	4.0
GOVERNMENT	47.1	46.9	46.6	.4	1.1
State government (includes education)	15.0	15.0	14.8	.3	1.2
Local government	29.2	29.1	29.0	.5	1.0
Local government, except education	11.1	11.1	11.1	.0	- .5
Local government education	18.2	18.0	17.8	.8	1.9

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
DECEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1982[b]	November 1982[c]	December 1981[c]	Dec. 1982[b]	Nov. 1982[c]	Dec. 1981[c]	Dec. 1982[b]	Nov. 1982[c]	Dec. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$454.44	$454.71	$432.00	41.2	41.3	41.3	$11.03	$11.01	$10.46
Durable Goods[d]	465.25	465.45	448.52	41.1	41.3	41.3	11.32	11.27	10.86
Stone, clay, and glass products	469.20	466.23	442.15	42.5	42.5	41.4	11.04	10.97	10.68
Primary metal industries	427.63	426.54	423.04	41.0	40.7	43.3	10.43	10.48	9.77
Fabricated metal products	439.60	445.30	395.85	41.2	41.5	40.6	10.67	10.73	9.75
Metal forgings and stampings	504.00	491.66	425.81	42.0	40.7	39.5	12.00	12.08	10.78
Machinery, except electrical	414.72	414.63	424.77	39.8	40.1	41.2	10.42	10.34	10.31
General industrial machinery	464.13	464.52	439.82	39.4	39.5	39.2	11.78	11.76	11.22
Transportation equipment	529.01	521.93	522.49	41.2	41.0	41.9	12.84	12.73	12.47
Motor vehicles and equipment	526.03	517.30	523.34	41.0	40.7	41.8	12.83	12.71	12.52
Nondurable Goods[e]	417.91	415.89	378.14	41.5	41.3	41.6	10.07	10.07	9.09
Food and kindred products	421.51	421.82	397.81	41.9	41.6	43.1	10.06	10.14	9.23
Petroleum and coal products	760.91	786.91	572.47	49.7	50.9	43.6	15.31	15.46	13.13
Rubber and misc. plastics products	348.39	339.76	323.97	40.7	40.4	40.7	8.56	8.41	7.96
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	607.24	642.61	602.45	37.6	39.4	37.7	16.15	16.31	15.98
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	450.93	461.09	431.01	39.8	40.2	40.7	11.33	11.47	10.59
WHOLESALE TRADE	336.00	332.72	330.40	38.4	38.2	39.1	8.75	8.71	8.45
RETAIL TRADE[f]	160.63	157.28	160.14	29.1	28.7	29.6	5.52	5.48	5.41
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
DECEMBER 1982

Industry	Employment (in thousands)			Percent Change From[d]	
	December 1982[b]	November 1982[c]	December 1981[c]	November 1982	December 1981
TOTAL	184.9	182.2	193.1	1.5	- 4.3
MANUFACTURING	52.8	49.8	59.9	6.1	- 11.7
Durable Goods[e]	47.1	43.8	54.1	7.6	- 13.0
Stone, clay, and glass products	2.1	2.1	1.9	.3	9.7
Primary metal industries	21.3	20.1	28.2	6.1	- 24.4
Blast furnace and basic steel products	9.6	9.4	14.6	2.9	- 34.1
Fabricated metal products	8.4	8.4	9.2	.2	- 8.4
Fabricated structural metal products	2.8	2.8	2.8	- 1.4	- 1.3
Machinery, except electrical	4.4	4.4	5.4	- .5	- 17.8
Metalworking machinery	2.2	2.2	2.5	.1	- 14.0
Electric and electronic equipment	2.6	2.8	3.1	- 7.2	- 15.5
Transportation equipment	6.6	4.2	4.5	54.6	45.1
Nondurable Goods[f]	5.7	6.0	5.7	- 4.5	- .2
NONMANUFACTURING[g]	132.0	132.4	133.3	- .2	- .9
CONSTRUCTION	5.3	5.8	6.2	- 9.1	- 14.0
TRANSPORTATION AND PUBLIC UTILITIES	8.8	8.9	9.4	- 1.5	- 7.1
Communication, electric, gas services	3.1	3.1	3.3	- .1	- 4.1
WHOLESALE TRADE	7.8	7.8	7.9	.4	- .9
RETAIL TRADE	36.3	35.8	37.0	1.6	- 1.7
FINANCE, INSURANCE, AND REAL ESTATE	7.4	7.3	7.2	.6	2.6
SERVICES	40.1	40.3	38.9	- .3	3.1
GOVERNMENT	25.4	25.6	26.0	- .8	- 2.1
Local government (includes education)	19.5	19.7	20.2	- 1.2	- 3.4

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1981 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
DECEMBER 1982

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	December 1982[b]	November 1982[c]	December 1981[c]	Dec. 1982[b]	Nov. 1982[c]	Dec. 1981[c]	Dec. 1982[b]	Nov. 1982[c]	Dec. 1981[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$487.12	$458.17	$453.17	40.9	39.6	39.1	$11.91	$11.57	$11.59
Durable Goods[d]	502.25	472.82	465.29	41.0	39.6	39.1	12.25	11.94	11.90
Stone, clay, and glass products	341.91	340.56	300.66	39.3	39.6	36.8	8.70	8.60	8.17
Primary metal industries	499.11	489.72	502.57	38.1	37.7	38.6	13.10	12.99	13.02
Blast furnace and basic steel products	512.26	495.72	538.89	36.8	36.0	39.8	13.92	13.77	13.54
Fabricated metal products	502.18	455.90	459.19	41.4	39.2	40.6	12.13	11.63	11.31
Fabricated structural metal products	382.74	379.08	361.17	38.7	39.0	39.3	9.89	9.72	9.19
Machinery, except electrical	460.98	460.60	454.80	39.0	39.1	40.0	11.82	11.78	11.37
Metalworking machinery	504.15	502.49	494.06	41.7	41.7	42.3	12.09	12.05	11.68
Electric and electronic equipment	394.69	397.85	336.40	40.9	41.4	38.8	9.65	9.61	8.67
Transportation equipment	661.13	608.62	470.37	50.7	47.4	39.1	13.04	12.84	12.03
Nondurable Goods[e]	347.20	341.35	323.05	40.0	39.6	39.3	8.68	8.62	8.22
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	558.15	562.91	532.58	36.6	36.2	37.4	15.25	15.55	14.24
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	439.08	439.79	433.41	39.7	39.8	42.7	11.06	11.05	10.15
WHOLESALE TRADE	322.81	325.56	326.76	36.6	37.9	39.8	8.82	8.59	8.21
RETAIL TRADE[f]	159.10	157.14	159.68	29.3	29.1	30.3	5.43	5.40	5.27
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

BEST AVAILABLE COPY

Ohio Labor Market Information
BUREAU OF EMPLOYMENT SERVICES
JOB SERVICE OF OHIO

RICHARD F. CELESTE, *Governor*
DR. ROBERTA STEINBACHER, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
JANUARY 1983

Unemployment in Ohio, estimated at 738,000 in January, represented 14.9 percent of the civilian labor force—up from 714,000 and 14.1 percent in December. Total employment declined 3.2 percent, to 4,204,000. Seasonal curtailments in nonmanufacturing industries lowered nonfarm payroll employment 2.2 percent, to 4,012,000.

Factory employment in Ohio advanced .8 percent from December, to 1,053,000. Automotive industries accounted for much of the gain, as motor vehicle manufacturers and producers of automotive castings and wire recalled several thousand workers. New orders also prompted recalls by producers of electric lighting and wiring equipment, basic steel, and general industrial machinery. Employment in metalworking machinery was down, however, due to lack of orders. Scattered layoffs lowered employment moderately in food processing.

Employment in Ohio's nonmanufacturing industries totaled 2,960,000 in January, down 3.2 percent from December. Retailing dropped seasonally as department, apparel, and variety stores released temporary Christmas personnel. Unfavorable weather led to curtailments in outdoor activities--including construction, amusements, and drive-ins. Cutbacks among public schools and colleges were chiefly responsible for the decline in government employment.

Gross earnings of Ohio's factory production workers averaged $416 per week in January, slightly below December. The average workweek, at 40.4 hours, was shorter by .3 hours. Overtime curtailments were reported by producers of aircraft components, communication equipment, and metalworking machinery. Less overtime also lowered earnings in paper mills, and in dairy products. Lower averages in newspaper publishing reflected shorter workweeks. Increased overtime, on the other hand, boosted earnings in the production of metal fasteners, and in nonferrous rolling and drawing mills. Higher earnings in petroleum refining were attributable to wage-rate hikes.

Joblessness in Ohio increased by 139,000 between January 1982 and January 1983, lifting the unemployment rate from 11.9 to 14.9 percent. Total employment declined 5.3 percent over the year, while nonfarm payrolls dropped 3.0 percent. Over one-half the job loss in manufacturing--down nearly 100,000 from a year ago—occurred among producers of nonelectrical machinery and primary metals. Nonmanufacturing industries as a group slipped as scattered layoffs were countered in part by gains among the service industries. Gross weekly earnings of factory production workers were up nearly $29 from a year ago, partially attributable to sharply curtailed production schedules in January 1982.

For additional Labor Market Information, write
WILLIAM PAPIER, *Director of Research and Statistics*, BUREAU OF EMPLOYMENT SERVICES, COLUMBUS 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.—January nonfarm payroll employment in Akron totaled 243,300, down 7,200 from December. Seasonal declines in most nonmanufacturing industries accounted for the overall loss. Manufacturing, however, rose 800 for the month, to 66,100, due chiefly to gains in durable goods. Production workers in factories grossed $10.07 per hour, little changed from December. The average workweek increased .8 hours, to 42.4 hours.

Canton.—Nonfarm establishments in Canton employed 143,900 wage and salary workers in January, down 3,500 from December. Nonmanufacturing accounted for most of the loss as retail trade and construction declined seasonally. Manufacturing slipped 200, to 44,400 in January. The workweek and hourly earnings of the average factory production worker, at 38.8 hours and $10.49 an hour, were down .3 hours and 3¢, respectively, from December.

Cincinnati.—Cincinnati's nonagricultural wage and salary employment dropped 13,600 from December, to 561,200 in January. Most of the decline was due to seasonal cutbacks in nonmanufacturing, especially in retail trade and services. Layoffs in food production helped lower manufacturing 700, to 144,300 for the month. The workweek for the average factory production worker, at 40.5 hours, was down one hour from December. Average hourly earnings, at $9.85, were little changed from the previous month.

Cleveland.—Workers on nonfarm payrolls in the Cleveland metropolitan area numbered 817,300 in January, down 20,000 from December. Seasonal losses in nonmanufacturing industries accounted for the decline. Manufacturing, on the other hand, advanced 1,200, to 211,500 for the month, due chiefly to recalls in primary metals and electrical equipment. Hourly earnings of factory production workers rose 4¢, to $10.30 an hour. Average weekly hours, at 39.8, were little changed from December.

Columbus.—Nonagricultural establishments in the Columbus area employed 491,700 wage and salary workers in January, down 12,300 from December. Seasonal losses in retail trade, construction, and education accounted for the decline. Total manufacturing employment, at 84,600, was unchanged from December. The workweek and hourly earnings of the average factory production worker, at 39.9 hours and $9.60 per hour, were down .6 hours but up 3¢ from December.

Dayton.—Dayton's nonagricultural wage and salary employment totaled 330,400 in January, down 6,000 from December. Nonmanufacturing accounted for the decline, reflecting seasonal losses in construction and retail trade. Increases in durable-goods industries raised manufacturing 500, to 83,900. The average hourly earnings of factory production workers increased 12¢, to $10.17 an hour. Their average workweek, at 40.1 hours, was .2 hours shorter.

Toledo.—January nonfarm payroll employment in Toledo, at 278,000, was 4,800 below December. Seasonal shrinkage in nonmanufacturing accounted for the loss. Recalls in motor vehicles and equipment were largely responsible for the gain of 1,500 in manufacturing, to 66,900 in January. Production workers in factories grossed $11.02 per hour, up 2¢ from December. The average workweek was extended by .2 hours, to 41.3.

Youngstown-Warren.—Nonfarm establishments in the Youngstown-Warren area employed 176,200 wage and salary workers in January, down 1,600 from December. Seasonal declines in retail trade and other nonmanufacturing industries accounted for the loss. Increases in primary metals and electrical equipment caused manufacturing to rise 2,100, to 50,700 in January. Earnings of factory production workers increased slightly, to $12.03 per hour. Average weekly hours, at 40.7, were up .4 hours from December.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 2-16-83

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1972	248.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	600.6	895.6	509.8	355.7	293.1	203.1
1981	259.6	156.6	592.2	880.7	506.6	352.5	290.9	198.7
1982	250.8	149.7	575.5	847.5	497.9	337.0	282.2	182.2
1982								
January .	248.9	149.4	570.1	848.3	495.2	341.5	279.7	188.2
February.	250.6	148.8	566.2	847.2	493.1	337.6	278.7	180.9
March ...	250.9	148.9	570.6	848.0	494.9	336.8	279.5	183.3
April ...	251.1	150.4	576.1	848.7	496.1	337.0	282.7	181.7
May	254.3	151.2	580.7	854.5	498.3	337.6	286.0	185.9
June	249.5	152.2	584.0	859.3	501.1	338.7	285.7	186.4
July	248.4	151.2	573.5	850.7	493.6	333.9	277.7	182.5
August ..	248.3	150.5	574.2	846.7	494.4	332.2	278.9	178.6
September	253.0	150.3	580.3	846.0	497.3	338.9	285.2	182.4
October .	252.5	148.3	579.0	842.3	503.5	338.1	285.5	180.9
November.	251.7	147.9	576.9	840.5	503.8	335.7	284.6	177.3
December.	250.4	147.3	574.8	837.3	504.0	336.4	282.8	177.8
1983								
January .	243.3	143.9	561.2	817.3	491.7	330.4	278.0	176.2
	MANUFACTURING EMPLOYMENT (in thousands)							
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.6	79.9
1980	79.1	55.7	162.4	254.9	96.8	99.4	75.4	70.8
1981	75.7	54.8	157.3	246.8	93.1	97.8	74.6	67.3
1982	68.8	48.2	147.2	224.1	86.7	87.9	68.8	53.4
1982								
January .	70.9	50.7	148.6	234.6	89.4	94.2	69.4	61.1
February.	71.0	50.1	146.5	233.1	88.4	90.8	69.7	54.0
March ...	70.6	49.5	148.1	230.9	87.9	89.3	69.6	55.9
April ...	70.1	49.1	147.2	228.5	86.4	88.6	69.4	53.4
May	69.7	48.8	147.5	227.7	86.2	88.4	69.9	55.4
June	69.5	49.5	148.6	227.4	86.6	88.7	70.1	55.3
July	68.1	48.9	146.3	223.5	86.4	88.5	68.1	54.4
August ..	67.9	48.5	147.0	221.1	86.2	86.4	69.8	50.6
September	68.3	47.9	147.9	222.3	86.5	87.6	70.1	52.8
October .	67.4	45.8	147.0	216.1	86.3	85.8	67.4	51.4
November.	66.5	45.2	147.0	213.7	85.7	82.9	66.8	47.6
December.	65.3	44.7	145.0	210.3	84.6	83.4	65.4	48.6
1983								
January .	66.1	44.4	144.3	211.5	84.6	83.9	66.9	50.7

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1972	53.5	42.2	110.7	188.7	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.7	39.6	103.5	161.8	61.3	64.4	49.2	50.8
1982	37.2	33.7	96.1	142.5	55.6	55.8	45.1	38.5
1982								
January .	39.0	35.6	96.6	149.8	58.3	61.4	44.9	45.4
February.	38.9	35.1	94.9	149.1	57.3	58.3	45.5	39.1
March ...	38.6	34.7	96.6	147.2	56.7	57.0	45.6	40.7
April ...	38.4	34.1	95.8	145.7	55.6	56.5	45.5	38.6
May	38.1	34.2	96.5	145.2	55.2	56.3	45.9	40.1
June	37.7	35.1	97.6	145.2	55.7	56.7	46.2	40.3
July	36.4	34.4	95.4	142.0	55.5	56.3	44.3	39.4
August ..	36.2	34.0	95.9	139.9	55.3	54.3	46.0	35.8
September	36.8	33.6	97.0	142.0	55.4	55.6	46.6	37.8
October .	36.2	31.8	96.4	136.6	55.0	54.1	44.2	36.6
November.	35.3	31.4	96.5	135.0	54.3	51.4	43.8	33.5
December.	34.5	30.8	94.5	132.1	53.4	52.1	42.5	34.3
1983								
January .	35.2	30.6	93.9	133.3	53.5	52.5	44.0	36.3
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.8
1982	41.0	38.6	40.5	39.9	39.8	40.0	41.1	39.3
1982								
January .	40.4	38.2	39.8	38.8	39.5	39.5	39.7	39.1
February.	41.6	39.3	39.8	40.2	39.8	40.0	41.0	39.3
March ...	41.2	38.6	39.9	40.1	39.4	39.5	40.9	39.1
April ...	40.8	38.8	40.2	40.1	39.4	39.8	40.3	38.6
May	41.0	38.8	40.6	40.5	39.7	40.0	41.0	39.3
June	41.5	39.2	41.0	41.0	40.1	41.2	41.8	40.1
July	41.0	36.7	40.4	40.0	39.4	41.1	41.8	39.4
August ..	40.2	38.3	40.7	40.1	39.6	40.3	41.4	37.9
September	41.0	39.1	40.5	39.6	39.8	39.8	41.8	39.5
October .	40.5	38.3	40.2	39.2	39.7	39.3	41.3	39.3
November.	41.2	38.3	41.4	39.2	40.3	39.2	41.3	39.6
December.	41.6	39.1	41.5	39.9	40.5	40.3	41.1	40.3
1983								
January .	42.4	38.8	40.5	39.8	39.9	40.1	41.3	40.7

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1972	$4.68	$4.48	$4.15	$4.50	$4.06	$4.74	$4.67	$4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.86
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1982	9.83	10.22	9.57	10.10	9.31	10.02	10.89	11.72
1982								
January .	9.72	9.95	9.26	9.82	9.06	9.92	10.58	11.73
February.	9.77	10.05	9.25	9.86	9.05	9.82	10.71	11.70
March ...	9.83	10.01	9.42	9.93	9.12	9.84	10.80	11.69
April ...	9.80	10.08	9.44	9.99	9.18	9.94	10.80	11.59
May	9.80	10.13	9.54	10.12	9.27	10.06	10.91	11.70
June	9.81	10.25	9.64	10.25	9.31	10.33	10.98	11.71
July	9.68	10.05	9.66	10.22	9.37	10.28	11.06	11.85
August ..	9.79	10.35	9.62	10.18	9.40	10.05	10.91	11.64
September	9.91	10.39	9.68	10.26	9.47	10.08	10.93	11.75
October .	9.92	10.46	9.65	10.15	9.49	10.01	11.01	11.58
November.	9.95	10.44	9.78	10.19	9.50	9.89	11.01	11.65
December.	10.06	10.52	9.84	10.26	9.57	10.05	11.00	12.01
1983								
January .	10.07	10.49	9.85	10.30	9.60	10.17	11.02	12.03
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1972	$197.03	$181.89	$173.89	$190.35	$164.02	$201.45	$196.14	$201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	395.38	346.80	397.85	406.14	474.10
1982	403.03	394.49	387.59	402.99	370.54	400.80	447.58	460.60
1982								
January .	392.69	380.09	368.55	381.02	357.87	391.84	420.03	458.64
February.	406.43	394.97	368.15	396.37	360.19	392.80	439.11	459.81
March ...	405.00	386.39	375.86	398.19	359.33	388.68	441.72	457.08
April ...	399.84	391.10	379.49	400.60	361.69	395.61	435.24	447.37
May	401.80	393.04	387.32	409.86	368.02	402.40	447.31	459.81
June	407.12	401.80	395.24	420.25	373.33	425.60	458.96	469.57
July	396.88	368.84	390.26	408.80	369.18	422.51	462.31	466.89
August ..	393.56	396.41	391.53	408.22	372.24	405.02	451.67	441.16
September	406.31	406.25	392.04	406.30	376.91	401.18	456.87	464.13
October .	401.76	400.62	387.93	397.88	376.75	393.39	454.71	455.09
November.	409.94	399.85	404.89	399.45	382.85	387.69	454.71	461.34
December.	418.50	411.33	408.36	409.37	387.59	405.02	452.10	484.00
1983								
January .	426.97	407.01	398.93	409.94	383.04	407.82	455.13	489.62

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
AKRON[b]					CANTON[c]				
1971	277.7	261.3	16.3	5.9	1971	164.9	152.3	12.6	7.6
1972	282.2	267.3	14.8	5.3	1972	165.6	155.3	10.3	6.2
1973	287.1	274.9	12.2	4.3	1973	171.2	163.1	8.1	4.7
1974	290.8	277.7	13.0	4.5	1974	175.6	167.5	8.1	4.6
1975	292.0	264.3	27.7	9.5	1975	174.7	158.0	16.7	9.6
1976	291.3	266.3	25.0	8.6	1976	174.4	158.6	15.8	9.1
1977	294.2	274.7	19.5	6.6	1977	175.9	163.1	12.9	7.3
1978	298.9	282.2	16.7	5.6	1978	179.9	170.0	9.9	5.5
1979	303.8	285.4	18.4	6.1	1979	184.3	173.7	10.6	5.7
1980	303.9	278.2	25.7	8.5	1980	187.7	170.8	16.8	9.0
1981	301.8	273.2	28.6	9.5	1981	188.1	170.1	18.0	9.6
1981					1981				
December ...	302.7	269.0	33.7	11.1	December ..	187.8	166.2	21.6	11.5
1982					1982				
January	298.4	264.2	34.2	11.5	January ...	187.7	164.1	23.6	12.6
February ...	295.5	260.4	35.1	11.9	February ..	184.6	161.0	23.6	12.8
March	297.2	261.9	35.3	11.9	March	187.3	161.9	25.4	13.6
April	299.7	265.7	34.0	11.4	April	188.5	163.9	24.6	13.1
May	301.5	270.4	31.1	10.3	May	190.3	167.0	23.3	12.2
June	305.4	269.9	35.4	11.6	June	196.5	170.8	25.7	13.1
July	310.8	273.2	37.6	12.1	July	201.7	172.7	29.1	14.4
August	309.8	272.2	37.6	12.1	August	199.0	170.2	28.8	14.5
September ..	305.7	269.7	36.0	11.8	September .	192.6	166.4	26.2	13.6
October	306.8	269.0	37.8	12.3	October ...	195.4	164.2	31.2	16.0
November ...	302.4	263.0	39.3	13.0	November ..	192.6	160.4	32.2	16.7
December[p] ..	302.7	261.7	41.0	13.5	December[p] .	191.1	159.5	31.6	16.5
CINCINNATI[d]					CLEVELAND[e]				
1971	550.0	516.0	34.0	6.2	1971	866.7	811.7	55.0	6.3
1972	561.0	529.0	32.0	5.7	1972	873.2	825.2	48.0	5.5
1973	572.0	543.0	29.0	5.1	1973	883.9	849.0	34.9	3.9
1974	595.3	569.8	25.5	4.3	1974	899.1	861.4	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	896.9	826.3	70.6	7.9
1976	604.8	566.6	38.2	6.3	1976	897.7	834.4	63.3	7.0
1977	623.4	588.7	34.7	5.6	1977	908.5	854.4	54.0	5.9
1978	648.3	615.8	32.5	5.0	1978	921.7	878.5	43.2	4.7
1979	663.4	628.1	35.3	5.3	1979	935.8	889.1	46.7	5.0
1980	676.2	628.6	47.5	7.0	1980	937.1	869.0	68.2	7.3
1981	678.6	619.2	59.5	8.8	1981	929.2	850.8	78.4	8.4
1981					1981				
December ...	679.4	611.6	67.8	10.0	December ..	921.1	829.1	92.1	10.0
1982					1982				
January	665.4	594.4	71.1	10.7	January ...	905.6	821.3	84.4	9.3
February ...	657.0	585.6	71.4	10.9	February ..	892.2	809.1	83.0	9.3
March	664.3	591.2	73.0	11.0	March	903.7	811.3	92.5	10.2
April	669.7	601.4	68.3	10.2	April	910.4	821.7	88.6	9.7
May	675.9	611.2	64.7	9.6	May	921.3	834.7	86.5	9.4
June	696.8	622.8	74.0	10.6	June	953.0	849.8	103.2	10.8
July	696.7	622.5	74.2	10.6	July	958.8	855.9	102.9	10.7
August	695.4	622.7	72.7	10.5	August	954.2	848.8	105.4	11.0
September ..	690.0	619.4	70.6	10.2	September .	926.4	827.6	98.7	10.7
October	696.3	618.5	77.8	11.2	October ...	936.4	825.2	111.2	11.9
November ...	683.9	606.9	76.9	11.3	November ..	924.0	808.2	115.8	12.5
December[p] ..	679.2	603.6	75.6	11.1	December[p] .	920.7	806.0	114.7	12.5

---

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data are geared to 1980 Census. [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
COLUMBUS[f]					DAYTON[g]				
1971	445.6	425.6	20.0	4.5	1971	349.5	326.1	23.3	6.7
1972	469.1	450.2	18.9	4.0	1972	353.5	336.2	17.3	4.9
1973	485.5	468.3	17.1	3.5	1973	358.0	343.5	14.5	4.1
1974	495.4	475.5	19.9	4.0	1974	359.5	342.5	17.0	4.7
1975	495.0	458.6	36.5	7.4	1975	357.6	327.7	29.9	8.4
1976	503.6	468.5	35.1	7.0	1976	360.5	336.3	24.2	6.7
1977	513.4	483.3	30.1	5.9	1977	368.6	348.3	20.3	5.5
1978	531.4	506.5	24.9	4.7	1978	381.1	363.7	17.3	4.6
1979	543.0	517.1	25.8	4.8	1979	392.2	367.9	24.2	6.2
1980	554.7	523.3	31.5	5.7	1980	390.2	360.9	29.3	7.5
1981	562.5	518.7	43.8	7.8	1981	389.8	357.4	32.4	8.3
1981					1981				
December ...	563.4	514.2	49.2	8.7	December ...	391.4	352.2	39.2	10.0
1982					1982				
January	554.8	506.0	48.8	8.8	January	389.5	349.7	39.8	10.2
February ...	547.5	498.2	49.4	9.0	February ...	383.4	341.7	41.7	10.9
March	553.8	502.5	51.4	9.3	March	387.5	342.3	45.2	11.7
April	559.6	508.8	50.8	9.1	April	389.7	346.2	43.5	11.2
May	564.4	516.4	48.0	8.5	May	390.3	350.0	40.3	10.3
June	582.0	528.1	53.8	9.2	June	402.2	356.2	46.1	11.5
July	581.1	528.3	52.8	9.1	July	401.3	356.8	44.5	11.1
August	580.3	526.7	53.6	9.2	August	398.9	353.3	45.5	11.4
September ..	566.5	516.9	49.7	8.8	September ..	394.7	351.8	42.9	10.9
October	574.0	523.0	51.1	8.9	October	397.0	351.4	45.6	11.5
November ...	566.5	513.1	53.5	9.4	November ...	390.3	342.1	48.2	12.4
December[p] ..	561.8	510.4	51.4	9.2	December[p] ..	388.4	341.4	47.0	12.1
TOLEDO[h]					YOUNGSTOWN-WARREN[i]				
1971	319.3	300.3	19.1	6.0	1971	225.1	207.1	18.0	8.0
1972	329.4	311.3	18.1	5.5	1972	226.9	212.1	14.8	6.5
1973	339.8	324.2	15.6	4.6	1973	232.5	221.8	10.8	4.6
1974	343.8	324.2	19.7	5.7	1974	236.7	223.7	13.0	5.5
1975	344.8	310.2	34.6	10.0	1975	236.7	209.8	26.9	11.4
1976	347.8	319.4	28.4	8.2	1976	234.2	210.5	23.7	10.1
1977	355.0	329.4	25.6	7.2	1977	234.0	215.0	19.0	8.1
1978	362.1	339.7	22.4	6.2	1978	235.2	217.5	17.7	7.5
1979	368.2	341.7	26.4	7.2	1979	237.1	219.9	17.1	7.2
1980	367.7	329.7	38.0	10.3	1980	238.4	210.4	28.0	11.7
1981	366.9	327.3	39.6	10.8	1981	233.1	205.3	27.7	11.9
1981					1981				
December ...	365.4	319.9	45.5	12.4	December ...	232.0	195.0	37.1	16.0
1982					1982				
January	361.0	313.4	47.6	13.2	January	232.6	196.1	36.5	15.7
February ...	355.7	310.0	45.7	12.8	February ...	232.8	187.2	45.6	19.6
March	360.2	312.1	48.2	13.4	March	231.2	190.0	41.1	17.8
April	362.5	317.5	45.0	12.4	April	236.5	190.4	46.2	19.5
May	365.1	325.3	39.8	10.9	May	236.5	195.8	40.7	17.2
June	374.5	329.8	44.7	11.9	June	244.2	199.7	44.6	18.2
July	374.3	327.1	47.2	12.6	July	243.4	199.0	44.4	18.2
August	371.6	326.3	45.3	12.2	August	245.9	194.3	51.6	21.0
September ..	368.8	323.8	45.0	12.2	September ..	238.6	193.7	45.0	18.8
October	374.9	324.9	50.0	13.3	October	239.8	192.3	47.4	19.8
November ...	364.8	317.4	47.5	13.0	November ...	238.4	184.9	53.5	22.4
December[p] ..	367.2	314.7	52.6	14.3	December[p] ..	237.0	186.9	50.1	21.1

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. Data are geared to 1980 Census. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1972	4,510	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,087	4,660	426	8.4	7.1
1981	5,099	4,607	492	9.6	7.6
1982	5,122	4,481	640	12.5	9.7
1982					
January .	5,040	4,441	599	11.9	9.4
February.	4,977	4,370	607	12.2	9.6
March ...	5,024	4,407	617	12.3	9.5
April ...	5,061	4,454	607	12.0	9.2
May	5,103	4,536	568	11.1	9.1
June	5,264	4,619	645	12.3	9.8
July	5,274	4,628	646	12.2	9.8
August ..	5,249	4,590	659	12.5	9.6
September	5,136	4,505	631	12.3	9.7
October .	5,177	4,494	683	13.2	9.9
November.	5,088	4,378	710	14.0	10.4
December.	5,058	4,344	714	14.1	10.5
1983					
January .	4,942	4,204	738	14.9	11.4

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.3	3,103.0
1981	4,317.6	1,232.6	3,085.1
1982	4,138.7	1,103.6	3,035.1
1982			
January .	4,137.5	1,151.8	2,985.8
February.	4,115.0	1,133.7	2,981.3
March ...	4,129.1	1,132.5	2,996.6
April ...	4,146.1	1,117.3	3,028.8
May	4,180.9	1,116.5	3,064.4
June	4,191.6	1,119.3	3,072.3
July	4,131.3	1,104.6	3,026.7
August ..	4,116.7	1,093.2	3,023.5
September	4,153.3	1,100.5	3,052.8
October .	4,139.2	1,073.5	3,065.7
November.	4,121.4	1,056.9	3,064.5
December.	4,102.5	1,043.9	3,058.6
1983			
January .	4,012.2	1,052.5	2,959.7

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.6	726.6	203.8	830.9	689.9
1981	30.7	153.7	217.2	232.5	717.7	205.8	851.5	676.0
1982	30.7	135.5	207.6	229.3	707.3	206.4	859.7	658.6
1982								
January .	31.2	118.8	207.8	229.5	696.2	204.4	832.8	665.0
February.	30.9	116.3	206.8	228.6	683.1	204.1	838.1	673.5
March ...	30.6	119.6	206.6	228.8	687.0	204.4	845.0	674.5
April ...	31.0	129.5	207.3	229.1	699.1	204.9	856.1	671.8
May	31.3	139.2	209.6	229.8	709.8	205.8	862.7	676.2
June	31.4	142.9	211.0	230.1	714.2	208.0	871.2	663.5
July	31.1	146.1	209.9	229.7	710.8	208.9	867.5	622.8
August ..	30.1	147.7	209.3	229.4	712.5	208.4	869.2	616.8
September	31.0	147.3	208.4	229.1	715.0	207.2	874.8	640.0
October .	30.3	147.2	206.1	229.4	710.7	206.5	871.4	664.1
November.	30.3	142.2	204.6	229.0	718.4	206.8	865.8	667.3
December.	29.0	129.5	203.6	229.0	730.4	207.3	861.7	668.2
1983								
January .	28.3	112.1	196.9	226.4	686.1	205.8	847.8	656.2

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures. All data exclude military personnel.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1972	1,346.8	948.8	398.0	979.2	$181.3	40.7
1973	1,426.3	1,018.2	408.1	1,046.7	210.8	44.3
1974	1,416.6	1,013.1	403.5	1,028.7	217.4	42.4
1975	1,267.5	892.4	375.1	897.8	201.5	36.2
1976	1,295.3	910.6	384.6	926.1	233.9	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.3	882.6	381.8	867.8	301.9	35.2
1981	1,232.6	860.4	372.2	847.7	330.4	34.7
1982	1,103.6	755.4	348.3	738.1	298.0	29.6
1982						
January .	1,151.8	799.5	352.3	778.7	301.8	30.6
February.	1,133.7	783.7	350.0	763.5	302.2	30.6
March ...	1,132.5	783.9	348.7	763.5	302.2	30.5
April ...	1,117.3	769.3	348.1	749.7	298.2	29.9
May	1,116.5	767.4	349.1	748.8	302.2	30.1
June	1,119.3	768.8	350.5	752.5	311.5	30.6
July	1,104.6	756.9	347.6	738.6	301.2	29.6
August ..	1,093.2	743.3	349.9	728.4	294.6	29.1
September	1,100.5	748.3	352.2	736.6	302.5	29.7
October .	1,073.5	728.5	345.0	712.1	288.1	28.4
November.	1,056.9	713.1	343.8	698.2	285.5	28.1
December.	1,043.9	701.7	342.2	687.1	286.7	28.0
1983						
January .	1,052.5	713.1	339.3	696.5	289.8	28.1

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1972	$185.12	$190.19	$172.60	41.6	41.8	40.9	$ 4.45	$ 4.55	$ 4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1982	403.81	414.80	378.95	40.1	40.0	40.4	10.07	10.37	9.38
1982									
January .	387.50	395.69	366.83	39.3	39.1	39.7	9.86	10.12	9.24
February.	395.79	405.60	373.30	40.1	40.0	40.4	9.87	10.14	9.24
March ...	395.81	406.36	370.93	39.9	39.8	40.1	9.96	10.21	9.25
April ...	397.80	407.55	374.00	39.9	39.8	40.0	9.97	10.24	9.35
May	403.61	414.63	377.21	40.2	40.1	40.3	10.04	10.34	9.36
June	413.92	426.54	381.92	40.7	40.7	40.5	10.17	10.48	9.43
July	407.82	419.60	379.22	40.1	40.0	40.3	10.17	10.49	9.41
August ..	404.40	415.51	379.89	40.0	39.8	40.5	10.11	10.44	9.38
September	410.66	421.60	385.28	40.3	40.0	40.9	10.19	10.54	9.42
October .	404.59	416.31	378.95	39.9	39.8	40.1	10.14	10.46	9.45
November.	408.83	418.80	387.06	40.2	40.0	40.7	10.17	10.47	9.51
December.	417.18	429.14	390.46	40.7	40.6	40.8	10.25	10.57	9.57
1983									
January .	416.12	429.05	387.44	40.4	40.4	40.4	10.30	10.62	9.59

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.7	67.4	92.7
1981	61.0	138.3	154.9	204.2	101.9	136.9	69.2	66.1	89.0
1982	54.1	113.3	135.0	179.3	93.2	122.0	66.9	63.2	80.7
1982									
January .	54.4	125.3	142.3	194.9	97.1	127.1	65.2	65.1	83.0
February.	54.4	122.7	140.8	192.5	96.6	118.3	65.1	64.9	81.7
March ...	53.8	121.1	140.3	189.8	96.0	124.3	65.4	64.4	81.4
April ...	54.2	117.9	138.3	185.9	94.4	119.9	65.5	63.9	81.5
May	54.6	115.7	137.4	182.9	94.2	123.8	65.9	63.9	81.9
June	55.3	115.9	137.0	180.6	94.9	125.8	67.1	63.5	82.2
July	55.5	113.8	133.9	176.6	94.1	124.5	67.0	62.6	81.0
August ..	54.7	112.6	131.9	175.3	92.6	117.1	69.7	62.3	80.6
September	55.0	111.4	133.0	174.1	92.0	123.3	70.9	62.3	80.7
October .	54.6	104.2	129.5	168.9	90.8	121.6	67.7	62.0	78.0
November.	53.1	100.8	128.0	166.1	90.1	117.5	66.6	62.2	78.3
December.	50.3	98.1	127.0	163.4	85.6	120.5	66.3	61.8	77.6
1983									
January .	50.0	101.8	128.1	163.0	89.4	124.9	64.4	61.5	77.7
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1972	$175.14	$204.61	$187.87	$193.46	$164.42	$219.99	$173.43	$187.21	$180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	358.45	381.11
1982									
January .	354.09	465.17	369.95	384.12	353.70	464.07	367.54	360.43	369.03
February.	361.00	479.97	387.89	391.55	365.82	476.49	376.28	365.00	382.94
March ...	371.18	466.29	393.03	390.98	361.43	485.44	377.29	357.00	376.25
April ...	368.15	473.14	397.79	387.68	364.05	493.07	380.42	352.08	376.14
May	372.20	473.07	400.57	387.29	366.96	522.22	385.40	358.45	380.55
June	379.86	495.67	408.18	401.79	366.16	541.37	390.45	354.52	395.37
July	380.14	488.71	405.73	390.04	358.75	528.24	385.02	351.50	385.70
August ..	380.83	496.98	399.35	391.24	365.98	502.18	389.06	351.22	385.15
September	393.65	492.35	401.32	394.18	364.94	528.58	400.26	357.27	380.57
October .	386.78	477.98	401.37	399.78	374.46	502.94	387.28	355.15	368.54
November.	387.69	478.37	407.42	393.39	374.14	518.13	393.71	364.65	380.70
December.	391.35	488.67	420.65	405.42	383.60	526.87	402.66	374.74	388.69
1983									
January .	383.25	495.26	425.17	402.38	380.09	513.20	391.00	371.01	390.73

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
JANUARY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	January 1983[b]	December 1982[c]	January 1982[c]	December 1982	January 1982
TOTAL	4012.2	4102.5	4137.5	- 2.2	- 3.0
MANUFACTURING	1052.5	1043.9	1151.8	.8	- 8.6
Durable Goods[e]	713.1	701.7	799.5	1.6	- 10.8
Lumber and wood products	11.7	12.0	11.7	- 2.4	.6
Furniture and fixtures	13.4	13.5	13.8	- .6	- 2.8
Household furniture	5.9	5.9	6.3	1.5	- 6.1
Stone, clay, and glass products	50.0	50.3	54.4	- .7	- 8.0
Glass and glassware, pressed or blown	13.5	13.1	14.3	3.0	- 5.7
Structural clay products	4.5	4.6	5.2	- 1.7	- 13.2
Pottery and related products	5.5	5.7	5.5	- 3.6	1.1
Primary metal industries	101.8	98.1	125.3	3.7	- 18.7
Blast furnace and basic steel products	50.6	49.0	67.1	3.3	- 24.6
Iron and steel foundries	20.7	19.6	26.1	5.6	- 20.6
Nonferrous rolling and drawing	17.1	16.3	17.0	4.5	.4
Nonferrous foundries	8.0	7.7	8.5	3.9	- 5.7
Fabricated metal products	128.1	127.0	142.3	.9	- 10.0
Cutlery, hand tools, and hardware	10.3	10.2	12.0	1.5	- 14.0
Plumbing and heating, except electric	4.5	4.2	4.8	5.1	- 6.8
Fabricated structural metal products	30.3	30.6	33.1	- 1.1	- 8.5
Screw machine products, bolts, etc.	8.5	8.4	10.2	1.0	- 17.1
Metal forgings and stampings	35.5	35.2	38.9	1.0	- 8.8
Machinery, except electrical	163.0	163.4	194.9	- .3	- 16.4
Construction and related machinery	17.8	18.3	24.2	- 2.6	- 26.4
Metalworking machinery	42.0	43.0	52.3	- 2.3	- 19.8
Special industry machinery	17.7	17.5	20.1	.8	- 11.8
General industrial machinery	32.0	31.4	38.2	1.9	- 16.2
Electric and electronic equipment	89.4	85.6	97.1	4.4	- 8.0
Electrical industrial apparatus	19.0	19.3	23.4	- 1.6	- 18.9
Household appliances	14.5	14.4	15.8	1.0	- 8.1
Electric lighting and wiring equipment	17.9	14.5	19.1	23.4	- 6.2
Communication equipment	10.4	10.4	10.7	.0	- 2.5
Transportation equipment	124.9	120.5	127.1	3.7	- 1.7
Motor vehicles and equipment	80.7	76.2	83.3	5.9	- 3.1
Aircraft and parts	36.3	36.4	34.8	- .3	4.3
Instruments and related products	19.5	19.6	20.9	- .3	- 6.6
Measuring and controlling devices	11.8	11.7	12.8	.7	- 7.7
Nondurable Goods[f]	339.3	342.2	352.3	- .8	- 3.7
Food and kindred products	64.4	66.3	65.2	- 2.9	- 1.2
Meat products	10.3	11.0	10.7	- 6.0	- 3.7
Dairy products	10.8	10.9	10.8	- .8	.1
Bakery products	9.9	10.1	10.3	- 1.5	- 3.5
Beverages	10.6	10.8	10.7	- 2.5	- 1.2
Textile mill products	4.1	4.1	4.5	- .6	- 9.5
Apparel and other textile products	16.3	16.7	16.8	- 2.5	- 3.0
Paper and allied products	34.8	35.0	36.9	- .5	- 5.8
Paper mills, except building paper	8.8	8.9	9.6	- 1.0	- 8.0
Misc. converted paper products	11.2	11.1	11.9	.4	- 6.1
Paperboard containers and boxes	11.6	11.7	11.9	- .8	- 2.9
Printing and publishing	61.5	61.8	65.1	- .5	- 5.5
Newspapers	18.4	18.5	19.4	- .6	- 5.1
Commercial printing	22.0	22.0	24.3	- .4	- 9.6
Chemicals and allied products	65.1	65.2	66.2	- .1	- 1.6
Industrial inorganic chemicals	12.3	12.3	12.7	- .2	- 3.1
Plastics materials and synthetics	9.2	9.2	9.3	- .3	- 1.1
Petroleum and coal products[j]	9.5	9.6	9.0	- .6	5.6
Rubber and misc. plastics products	77.7	77.6	83.0	.2	- 6.4
Tires and inner tubes	20.9	20.9	23.0	- .4	- 9.2
Miscellaneous plastics products	38.9	38.8	40.9	.1	- 4.9
Leather and leather products	5.8	5.8	5.5	- .1	3.9

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
JANUARY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1983[b]	December 1982[c]	January 1982[c]	Jan. 1983[b]	Dec. 1982[c]	Jan. 1982[c]	Jan. 1983[b]	Dec. 1982[c]	Jan. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$416.12	$417.18	$387.50	40.4	40.7	39.3	$10.30	$10.25	$ 9.86
Durable Goods[d]	429.05	429.14	395.69	40.4	40.6	39.1	10.62	10.57	10.12
Lumber and wood products	296.21	292.79	264.65	39.6	39.3	37.7	7.48	7.45	7.02
Furniture and fixtures	309.29	314.80	277.06	39.2	40.0	36.6	7.89	7.87	7.57
Household furniture	269.80	268.66	229.16	38.0	38.0	33.8	7.10	7.07	6.78
Stone, clay, and glass products	383.25	391.35	354.09	40.3	41.5	39.3	9.51	9.43	9.01
Glass and glassware, pressed or blown.	393.22	392.32	361.37	38.4	38.5	38.2	10.24	10.19	9.46
Structural clay products	280.19	281.11	267.70	39.8	40.8	39.6	7.04	6.89	6.76
Pottery and related products	314.50	329.94	276.24	37.0	39.8	35.1	8.50	8.29	7.87
Primary metal industries	495.26	488.67	465.17	39.4	39.0	38.7	12.57	12.53	12.02
Blast furnace and basic steel products	522.50	511.13	514.44	38.0	37.2	39.3	13.75	13.74	13.09
Iron and steel foundries	475.07	474.10	402.13	40.5	40.8	37.2	11.73	11.62	10.81
Nonferrous rolling and drawing	502.66	485.16	443.50	41.0	39.8	37.3	12.26	12.19	11.89
Nonferrous foundries	374.92	375.83	327.92	41.2	41.3	39.7	9.10	9.10	8.26
Fabricated metal products	425.17	420.65	369.95	41.0	40.8	38.1	10.37	10.31	9.71
Cutlery, hand tools, and hardware	396.90	403.65	382.62	38.2	39.0	38.3	10.39	10.35	9.99
Plumbing and heating, except electric.	338.19	345.84	333.03	38.3	39.3	38.5	8.83	8.80	8.65
Fabricated structural metal products .	411.46	396.66	343.93	41.9	40.6	38.3	9.82	9.77	8.98
Screw machine products, bolts, etc. ..	373.46	352.80	325.50	39.9	38.6	37.5	9.36	9.14	8.68
Metal forgings and stampings	495.93	494.21	419.25	41.5	41.6	37.5	11.95	11.88	11.18
Machinery, except electrical	402.38	405.42	384.12	39.8	40.3	39.6	10.11	10.06	9.70
Construction and related machinery	380.09	389.00	387.83	37.3	38.1	38.9	10.19	10.21	9.97
Metalworking machinery	392.50	404.00	374.23	38.9	40.0	38.7	10.09	10.10	9.67
Special industry machinery	398.82	390.19	377.10	41.5	40.9	41.9	9.61	9.54	9.00
General industrial machinery	401.15	388.87	380.60	39.6	39.6	39.4	10.13	9.82	9.66
Electric and electronic equipment	380.09	383.60	353.70	39.8	40.0	39.3	9.55	9.59	9.00
Electrical industrial apparatus	353.21	345.20	347.99	38.9	37.4	39.1	9.08	9.23	8.90
Household appliances	399.00	401.36	358.51	40.1	40.5	38.8	9.95	9.91	9.24
Electric lighting and wiring equipment	371.08	378.07	340.85	40.6	41.5	40.1	9.14	9.11	8.50
Communication equipment	410.62	434.43	400.60	40.1	41.1	40.1	10.24	10.57	9.99
Transportation equipment	513.20	526.87	464.07	42.1	42.8	39.8	12.19	12.31	11.66
Motor vehicles and equipment	531.27	543.92	478.74	42.4	43.1	39.5	12.53	12.62	12.12
Aircraft and parts	472.16	499.48	429.55	41.6	42.8	40.6	11.35	11.67	10.58
Instruments and related products	297.75	296.68	281.91	39.7	40.2	39.1	7.50	7.38	7.21
Measuring and controlling devices	295.77	288.56	287.17	39.7	39.1	39.5	7.45	7.38	7.27
Nondurable Goods[e]	387.44	390.46	366.83	40.4	40.8	39.7	9.59	9.57	9.24
Food and kindred products	391.00	402.66	367.54	40.9	41.9	40.3	9.56	9.61	9.12
Meat products	408.64	414.06	434.28	40.3	41.2	42.0	10.14	10.05	10.34
Dairy products	376.37	392.54	371.47	42.1	42.9	43.6	8.94	9.15	8.52
Bakery products	394.02	400.00	359.44	39.6	40.0	38.9	9.95	10.00	9.24
Beverages	338.45	341.73	315.01	38.2	39.1	36.8	8.86	8.74	8.56
Textile mill products	275.41	270.51	249.75	39.4	38.7	37.5	6.99	6.99	6.66
Apparel and other textile products	222.02	224.35	203.10	36.1	36.9	35.2	6.15	6.08	5.77
Paper and allied products	404.78	410.71	377.32	43.2	43.6	42.3	9.37	9.42	8.92
Paper mills, except building paper	503.27	516.48	479.32	47.3	48.0	46.0	10.64	10.76	10.42
Misc. converted paper products	364.17	363.78	332.51	42.1	42.3	40.6	8.65	8.60	8.19
Paperboard containers and boxes	355.78	366.86	337.77	40.8	41.5	40.5	8.72	8.84	8.34
Printing and publishing	371.01	374.74	360.43	37.4	37.7	37.9	9.92	9.94	9.51
Newspapers	309.58	331.02	324.06	30.5	32.2	32.8	10.15	10.28	9.88
Commercial printing	380.32	373.63	379.66	38.3	38.4	39.1	9.93	9.73	9.71
Chemicals and allied products	434.84	431.39	403.10	41.1	41.4	40.8	10.58	10.42	9.88
Industrial inorganic chemicals	457.15	446.63	422.50	41.0	40.9	40.9	11.15	10.92	10.33
Plastics materials and synthetics	480.70	471.23	434.60	43.7	42.8	42.4	11.00	11.01	10.25
Petroleum and coal products	606.91	602.89	589.75	43.6	44.2	45.4	13.92	13.64	12.99
Rubber and misc. plastics products	390.73	388.69	369.03	41.0	40.7	39.3	9.53	9.55	9.39
Tires and inner tubes	533.20	526.44	521.66	43.0	42.8	42.9	12.40	12.30	12.16
Miscellaneous plastics products	371.16	367.23	335.53	40.3	39.7	37.7	9.21	9.25	8.90
Leather and leather products	213.56	225.59	165.44	38.9	40.5	32.0	5.49	5.57	5.17

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
JANUARY 1983 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	January 1983[b]	December 1982[c]	January 1982[c]	December 1982	January 1982
NONMANUFACTURING	2959.7	3058.6	2985.8	- 3.2	- .9
MINING	28.3	29.0	31.2	- 2.3	- 9.3
Bituminous coal and lignite mining	11.5	11.6	14.0	- 1.1	- 18.0
CONSTRUCTION	112.1	129.5	118.8	- 13.4	- 5.6
General building contractors	28.1	32.0	29.0	- 12.1	- 3.1
Heavy construction contractors	14.8	19.1	17.9	- 22.5	- 17.6
TRANSPORTATION AND PUBLIC UTILITIES	196.9	203.6	207.8	- 3.3	- 5.2
Railroad transportation	20.5	21.1	24.9	- 3.2	- 17.7
Transportation, except railroads	82.6	88.3	86.3	- 6.5	- 4.3
Trucking and warehousing	58.9	64.1	63.6	- 8.1	- 7.3
Communication, electric, gas services	93.9	94.2	96.7	- .3	- 2.9
Communication	53.2	53.3	55.5	- .2	- 4.2
Electric, gas, and sanitary services	40.7	40.9	41.2	- .3	- 1.0
WHOLESALE TRADE	226.4	229.0	229.5	- 1.1	- 1.4
Wholesale trade-durable goods	143.8	145.2	147.3	- 1.0	- 2.4
Motor vehicles & automotive equipment	20.6	20.7	20.6	- .8	- .1
Electrical goods	18.8	19.0	19.3	- 1.1	- 2.9
Machinery, equipment, and supplies	61.8	62.0	62.5	- .3	- 1.2
Wholesale trade-nondurable goods	82.6	83.7	82.2	- 1.4	.5
Groceries and related products	25.4	25.5	24.9	- .5	2.0
RETAIL TRADE	686.1	730.4	696.2	- 6.1	- 1.4
General merchandise stores	113.6	129.4	120.3	- 12.2	- 5.5
Department stores	104.1	118.7	110.3	- 12.3	- 5.6
Food stores	116.6	120.6	116.1	- 3.3	.4
Automotive dealers & service stations	74.1	75.2	74.9	- 1.4	- 1.0
Apparel and accessory stores	32.9	36.5	33.9	- 9.9	- 3.1
FINANCE, INSURANCE, AND REAL ESTATE	205.8	207.3	204.4	- .7	.7
Banking	58.5	58.6	59.3	- .2	- 1.3
Credit agencies other than banks	30.0	30.0	29.9	.0	.3
Insurance carriers	59.5	59.8	59.1	- .4	.6
SERVICES	847.8	861.7	832.8	- 1.6	1.8
Hotels and other lodging places	27.6	28.9	28.5	- 4.8	- 3.2
Laundry, cleaning, & garment services	16.1	16.7	16.7	- 4.0	- 3.8
Business services	118.5	122.2	118.3	- 3.1	.1
Health services	318.8	318.2	305.6	.2	4.3
Hospitals	175.4	175.0	170.0	.2	3.2
GOVERNMENT	656.2	668.2	665.0	- 1.8	- 1.3
Federal government	88.4	88.4	88.3	- .1	.0
State government	139.8	147.1	140.3	- 4.9	- .3
State government, except education	70.3	70.7	71.8	- .5	- 2.1
State government education[i]	69.5	76.4	68.4	- 9.0	1.6
Local government	428.0	432.7	436.4	- 1.1	- 1.9
Local government, except education	180.5	181.1	181.1	- .4	- .4
Local government education	247.5	251.5	255.3	- 1.6	- 3.0

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education). [j] Not comparable to previous estimates.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
JANUARY 1983 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1983[b]	December 1982[c]	January 1982[c]	Jan. 1983[b]	Dec. 1982[c]	Jan. 1982[c]	Jan. 1983[b]	Dec. 1982[c]	Jan. 1982[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$461.65	$466.81	$446.03	43.8	44.5	43.6	$10.54	$10.49	$10.23
Bituminous coal and lignite mining	567.65	558.91	537.11	43.2	42.6	42.9	13.14	13.12	12.52
CONSTRUCTION	555.00	555.39	494.90	37.0	37.1	35.0	15.00	14.97	14.14
General building contractors	493.20	504.99	418.56	36.0	36.7	32.7	13.70	13.76	12.80
Heavy construction contractors	561.33	535.26	519.68	38.5	37.3	38.1	14.58	14.35	13.64
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	447.84	477.22	435.37	36.0	38.3	36.1	12.44	12.46	12.06
Communication, electric, gas services	446.00	444.71	423.10	40.0	40.1	40.8	11.15	11.09	10.37
Communication	444.77	444.64	408.91	39.5	39.7	39.7	11.26	11.20	10.30
Electric, gas, and sanitary services	446.60	444.57	441.41	40.6	40.6	42.2	11.00	10.95	10.46
WHOLESALE TRADE	318.45	321.36	301.44	38.6	39.0	38.4	8.25	8.24	7.85
Wholesale trade-durable goods	314.76	314.38	294.91	39.1	39.2	38.3	8.05	8.02	7.70
Motor vehicles & automotive equipment	272.29	276.57	247.09	37.3	38.2	37.1	7.30	7.24	6.66
Electrical goods	260.51	263.63	251.08	36.9	37.5	36.6	7.06	7.03	6.86
Machinery, equipment, and supplies	346.98	343.48	320.54	39.7	39.3	38.9	8.74	8.74	8.24
Wholesale trade-nondurable goods	325.94	332.73	312.19	37.9	38.6	38.4	8.60	8.62	8.13
Groceries and related products	345.84	365.79	343.36	39.3	41.1	40.3	8.80	8.90	8.52
RETAIL TRADE[f]	155.19	158.77	146.92	28.9	29.9	28.2	5.37	5.31	5.21
General merchandise stores	164.16	170.01	149.87	30.8	33.4	29.1	5.33	5.09	5.15
Department stores	166.32	172.01	151.90	30.8	33.4	29.1	5.40	5.15	5.22
Food stores	221.96	225.36	215.06	30.7	31.3	30.9	7.23	7.20	6.96
Automotive dealers & service stations	196.92	202.38	195.08	36.0	36.4	37.3	5.47	5.56	5.23
Apparel and accessory stores	113.18	125.65	107.38	26.2	28.3	26.0	4.32	4.44	4.13
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	211.14	208.33	193.79	....	....	....	....	....	....
Credit agencies other than banks	213.27	210.16	198.66	....	....	....	....	....	....
Insurance carriers	282.96	281.80	263.26	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	273.03	270.04	250.66	34.3	34.4	33.6	7.96	7.85	7.46
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
JANUARY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	January 1983[b]	December 1982[c]	January 1982[c]	December 1982	January 1982
TOTAL	243.3	250.4	248.9	- 2.9	- 2.3
MANUFACTURING	66.1	65.3	70.9	1.2	- 6.8
Durable Goods[e]	32.8	32.0	35.1	2.5	- 6.7
Stone, clay, and glass products	1.7	1.7	1.5	- 1.1	14.8
Fabricated metal products	12.1	11.9	12.6	1.3	- 4.5
Machinery, except electrical	8.9	8.7	10.4	1.9	- 14.4
Special industry machinery	1.6	1.6	2.2	- .7	- 25.5
Nondurable Goods[f]	33.3	33.3	35.8	.0	- 6.9
Food and kindred products	2.5	2.6	2.7	- 1.8	- 6.5
Chemicals and allied products	3.2	3.2	3.3	- .1	- 4.0
Rubber and misc. plastics products	22.7	22.7	24.8	.0	- 8.2
Tires and inner tubes	16.7	16.8	18.9	- .4	- 11.7
NONMANUFACTURING[g]	177.2	185.1	178.0	- 4.3	- .4
CONSTRUCTION	5.9	7.0	5.8	- 16.4	1.6
TRANSPORTATION AND PUBLIC UTILITIES	12.4	12.9	13.4	- 3.5	- 6.9
Communication, electric, gas services	5.5	5.5	5.6	.2	- 1.2
WHOLESALE TRADE	12.5	12.5	12.6	.2	- .1
RETAIL TRADE	44.7	47.6	44.3	- 6.2	.9
FINANCE, INSURANCE, AND REAL ESTATE	9.3	9.3	9.3	- .3	- .2
SERVICES	50.8	51.9	50.7	- 2.2	.2
GOVERNMENT	40.9	43.2	41.4	- 5.1	- 1.1
State government (includes education)	12.6	14.9	12.3	- 15.5	2.4
Local government (includes education)	26.3	26.2	27.1	.4	- 2.8

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
JANUARY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1983[b]	December 1982[c]	January 1982[c]	Jan. 1983[b]	Dec. 1982[c]	Jan. 1982[c]	Jan. 1983[b]	Dec. 1982[c]	Jan. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$426.97	$418.50	$392.69	42.4	41.6	40.4	$10.07	$10.06	$ 9.72
Durable Goods[d]	425.57	420.84	372.88	42.6	42.0	39.5	9.99	10.02	9.44
Stone, clay, and glass products	390.82	390.34	343.27	42.9	42.8	38.7	9.11	9.12	8.87
Fabricated metal products	441.95	419.42	360.75	42.7	40.8	37.5	10.35	10.28	9.62
Machinery, except electrical	426.45	432.99	373.10	44.1	44.5	41.0	9.67	9.73	9.10
Special industry machinery	373.86	380.66	352.60	40.2	40.8	41.0	9.30	9.33	8.60
Nondurable Goods[e]	428.58	413.09	417.49	42.1	40.9	41.5	10.18	10.10	10.06
Food and kindred products	422.61	445.76	421.92	43.3	44.8	44.6	9.76	9.95	9.46
Chemicals and allied products	438.05	426.71	395.52	41.6	40.6	40.4	10.53	10.51	9.79
Rubber and misc. plastics products	441.70	427.23	438.48	42.8	41.6	42.0	10.32	10.27	10.44
Tires and inner tubes	554.26	542.72	551.82	43.2	42.7	43.9	12.83	12.71	12.57
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	575.32	558.94	475.02	37.9	36.7	34.8	15.18	15.23	13.65
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	451.20	452.73	432.19	40.0	40.1	41.2	11.28	11.29	10.49
WHOLESALE TRADE	282.74	295.81	279.74	37.8	39.6	37.6	7.48	7.47	7.44
RETAIL TRADE[f]	170.23	174.80	163.27	29.3	30.4	29.0	5.81	5.75	5.63
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Date relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
JANUARY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	January 1983[b]	December 1982[c]	January 1982[c]	December 1982	January 1982
TOTAL	143.9	147.3	149.4	- 2.4	- 3.7
MANUFACTURING	44.4	44.7	50.7	- .5	- 12.3
Durable Goods[e]	33.6	33.6	39.9	.0	- 15.8
Stone, clay, and glass products	1.9	1.9	1.9	.3	- 1.1
Primary metal industries	9.9	9.7	12.7	2.5	- 22.1
Fabricated metal products	7.9	8.1	8.8	- 3.3	- 10.7
Fabricated structural metal products	2.4	2.5	3.1	- 4.2	- 22.5
Metal forgings and stampings	2.2	2.3	2.2	- 4.0	.8
Nondurable Goods[f]	10.8	11.1	10.8	- 2.1	.6
Food and kindred products	4.0	4.3	3.9	- 7.7	1.3
Rubber and misc. plastics products	2.5	2.5	2.4	.9	4.7
NONMANUFACTURING[g]	99.4	102.7	98.7	- 3.2	.7
CONSTRUCTION	3.8	4.6	3.9	- 16.8	- 2.0
TRANSPORTATION AND PUBLIC UTILITIES	6.1	6.2	6.5	- 2.6	- 6.9
Communication, electric, gas services	3.0	3.0	3.0	.1	- 1.6
WHOLESALE TRADE	7.7	7.7	7.6	- .1	1.1
RETAIL TRADE	25.5	26.9	25.3	- 5.0	1.1
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.4	6.2	- .2	3.0
SERVICES	30.4	31.1	29.4	- 2.1	3.5
GOVERNMENT	18.1	18.4	18.5	- 1.7	- 1.9
Local government (includes education)	15.2	15.5	15.3	- 1.7	- .8

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
JANUARY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1983[b]	December 1982[c]	January 1982[c]	Jan. 1983[b]	Dec. 1982[c]	Jan. 1982[c]	Jan. 1983[b]	Dec. 1982[c]	Jan. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$407.01	$411.33	$380.09	38.8	39.1	38.2	$10.49	$10.52	$ 9.95
Durable Goods[d]	421.20	422.84	380.89	39.0	38.9	37.6	10.80	10.87	10.13
Stone, clay, and glass products	255.45	260.90	268.71	39.3	40.2	40.9	6.50	6.49	6.57
Primary metal industries	469.13	469.46	412.95	37.5	37.2	34.1	12.51	12.62	12.11
Fabricated metal products	447.82	453.86	382.40	39.7	40.2	39.1	11.28	11.29	9.78
Fabricated structural metal products	393.30	391.41	400.03	37.6	37.1	41.8	10.46	10.55	9.57
Metal forgings and stampings	519.70	545.38	425.46	40.1	41.6	39.8	12.96	13.11	10.69
Nondurable Goods[e]	360.61	374.77	374.33	38.2	39.7	40.6	9.44	9.44	9.22
Food and kindred products	417.40	440.02	428.93	38.9	41.2	39.9	10.73	10.68	10.75
Rubber and misc. plastics products	362.30	363.17	374.26	41.5	41.6	45.2	8.73	8.73	8.28
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	528.30	545.75	457.44	35.6	37.0	33.1	14.84	14.75	13.82
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	459.68	459.68	431.17	40.5	40.5	41.3	11.35	11.35	10.44
WHOLESALE TRADE	299.84	306.82	284.62	36.7	37.1	38.0	8.17	8.27	7.49
RETAIL TRADE[f]	153.07	155.83	142.92	29.1	30.2	28.3	5.26	5.16	5.05
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
JANUARY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	January 1983[b]	December 1982[c]	January 1982[c]	December 1982	January 1982
TOTAL	561.2	574.8	570.1	- 2.4	- 1.6
MANUFACTURING	144.3	145.0	148.6	- .5	- 2.9
Durable Goods[e]	78.5	78.3	81.5	.3	- 3.7
Furniture and fixtures	2.2	2.2	2.2	.3	1.1
Primary metal industries	1.8	1.8	2.4	1.5	- 24.4
Fabricated metal products	12.1	12.2	13.4	- 1.2	- 9.8
Fabricated structural metal products	3.8	4.0	4.7	- 4.1	- 18.8
Machinery, except electrical	21.9	22.0	25.0	- .4	- 12.1
Metalworking machinery	10.7	10.8	12.4	- 1.2	- 13.6
General industrial machinery[j]	3.5	3.5	4.2	- .1	- 17.5
Electric and electronic equipment	7.5	7.5	8.5	.4	- 11.5
Transportation equipment	23.7	22.9	21.0	3.7	12.7
Motor vehicles and equipment	9.0	8.0	6.6	12.8	37.9
Nondurable Goods[f]	65.8	66.7	67.1	- 1.3	- 1.9
Food and kindred products	14.9	15.5	15.8	- 3.9	- 5.7
Meat products	2.3	2.3	2.4	- .1	- 2.0
Bakery products	2.3	2.3	2.4	.5	- 1.6
Beverages	4.6	4.6	4.5	1.5	2.0
Apparel and other textile products	3.7	3.9	3.7	- 4.2	1.2
Paper and allied products	5.9	6.0	6.1	- 1.5	- 3.1
Printing and publishing	11.3	11.3	11.7	.3	- 3.7
Chemicals and allied products	22.0	22.1	22.0	- .3	.0
Rubber and misc. plastics products	4.2	4.2	4.3	.3	- 1.5
NONMANUFACTURING[g]	416.9	429.8	421.5	- 3.0	- 1.1
CONSTRUCTION	16.5	18.5	18.0	- 10.9	- 8.4
TRANSPORTATION AND PUBLIC UTILITIES	31.0	31.7	32.5	- 2.2	- 4.4
Communication, electric, gas services	14.4	14.4	14.7	.1	- 1.7
WHOLESALE TRADE	36.8	37.3	37.4	- 1.3	- 1.6
RETAIL TRADE	99.1	105.1	100.2	- 5.7	- 1.1
FINANCE, INSURANCE, AND REAL ESTATE	32.1	32.6	32.1	- 1.4	.2
Banking	7.3	7.3	7.4	- .5	- 2.2
Insurance carriers	11.4	11.5	11.4	- .5	.4
SERVICES	122.2	124.5	119.9	- 1.9	1.9
GOVERNMENT	78.7	79.7	81.3	- 1.2	- 3.1
Federal government	12.2	12.0	12.4	1.6	- 1.5
State government (includes education)	18.1	18.4	18.3	- 1.5	- .6
Local government	48.4	49.2	50.6	- 1.7	- 4.4
Local government, except education	21.1	21.5	21.3	- 1.6	- .6
Local government education	27.3	27.8	29.3	- 1.8	- 7.0

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [j] Not comparable to previous estimates.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
JANUARY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1983[b]	December 1982[c]	January 1982[c]	Jan. 1983[b]	Dec. 1982[c]	Jan. 1982[c]	Jan. 1983[b]	Dec. 1982[c]	Jan. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$398.93	$408.36	$368.55	40.5	41.5	39.8	$ 9.85	$ 9.84	$ 9.26
Durable Goods[d]	383.44	394.01	349.66	39.9	41.0	39.2	9.61	9.61	8.92
Furniture and fixtures	273.75	273.87	250.28	36.5	35.8	35.4	7.50	7.65	7.07
Primary metal industries	370.37	360.26	362.95	37.0	36.5	35.9	10.01	9.87	10.11
Fabricated metal products	382.27	378.78	338.83	42.1	41.9	38.2	9.08	9.04	8.87
Fabricated structural metal products	333.32	345.24	299.53	41.1	42.0	38.9	8.11	8.22	7.70
Machinery, except electrical	342.88	352.84	328.32	38.7	39.6	38.4	8.86	8.91	8.55
Metalworking machinery	372.63	385.61	348.94	37.3	38.6	37.4	9.99	9.99	9.33
General industrial machinery	345.14	345.20	321.95	40.7	40.9	38.1	8.48	8.44	8.45
Electric and electronic equipment	299.30	312.07	272.42	39.8	40.9	38.1	7.52	7.63	7.15
Transportation equipment	509.97	545.28	471.03	40.7	42.6	41.5	12.53	12.80	11.35
Motor vehicles and equipment	560.12	599.25	554.27	40.5	42.5	43.1	13.83	14.10	12.86
Nondurable Goods[e]	415.71	422.94	388.65	41.2	42.0	40.4	10.09	10.07	9.62
Food and kindred products	475.08	503.98	434.84	42.8	44.6	41.1	11.10	11.30	10.58
Meat products	430.13	431.80	494.86	41.2	41.4	43.6	10.44	10.43	11.35
Bakery products	425.21	428.83	371.47	42.1	42.5	39.9	10.10	10.09	9.31
Beverages	469.89	465.75	383.60	45.4	45.0	40.0	10.35	10.35	9.59
Apparel and other textile products	214.26	212.95	204.14	36.5	37.1	34.6	5.87	5.74	5.90
Paper and allied products	348.12	360.22	327.06	41.1	41.5	41.4	8.47	8.68	7.90
Printing and publishing	394.74	407.16	373.07	38.7	39.0	38.7	10.20	10.44	9.64
Chemicals and allied products	475.18	468.26	444.36	41.5	42.3	42.0	11.45	11.07	10.58
Rubber and misc. plastics products	344.52	346.02	296.46	44.0	43.8	39.9	7.83	7.90	7.43
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	524.35	541.13	529.50	36.9	37.5	37.5	14.21	14.43	14.12
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	413.12	414.18	386.91	38.9	39.0	39.4	10.62	10.62	9.82
WHOLESALE TRADE	321.54	327.66	302.61	38.6	39.1	38.5	8.33	8.38	7.86
RETAIL TRADE[f]	158.25	161.08	150.07	30.2	30.8	29.6	5.24	5.23	5.07
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	204.79	204.40	194.55	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
JANUARY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	January 1983[b]	December 1982[c]	January 1982[c]	December 1982	January 1982
TOTAL	817.3	837.3	848.3	-2.4	-3.7
MANUFACTURING	211.5	210.3	234.6	.6	-9.8
Durable Goods[e]	148.2	147.0	170.1	.8	-12.9
Furniture and fixtures	1.9	2.0	1.9	-5.9	-3.1
Primary metal industries	24.4	23.5	28.0	3.9	-12.7
Blast furnace and basic steel products	12.3	11.4	14.6	7.6	-16.0
Iron and steel foundries	6.2	6.2	6.8	-1.1	-10.1
Nonferrous foundries	2.6	2.6	2.8	-.8	-8.9
Fabricated metal products	32.6	32.5	35.6	.2	-8.6
Fabricated structural metal products	3.8	3.8	4.1	-.8	-8.2
Screw machine products, bolts, etc.	4.7	4.6	5.7	2.0	-17.9
Metal forgings and stampings	11.2	11.3	12.1	-1.1	-7.4
Machinery, except electrical	32.8	33.8	43.9	-2.9	-25.2
Construction and related machinery	4.9[h]	5.4[h]	8.1	-8.3	-38.9
Metalworking machinery	11.2	11.6	15.3	-3.9	-26.8
Special industry machinery	3.3	3.2	3.8	3.1	-13.1
General industrial machinery	2.8	2.8	3.8	-.5	-26.7
Electric and electronic equipment	23.3	22.2	24.3	4.7	-4.0
Electrical industrial apparatus	8.1	8.2	9.1	-1.5	-11.3
Transportation equipment	20.0	19.9	21.9	.3	-8.8
Motor vehicles and equipment	13.4	13.3	14.8	.6	-9.4
Instruments and related products	5.8	5.8	6.1	.0	-5.1
Nondurable Goods[f]	63.3	63.3	64.5	.0	-1.9
Food and kindred products	7.7	7.8	7.8	-1.4	-1.6
Bakery products	1.7	1.7	1.8	-1.1	-4.3
Beverages	1.6	1.6	1.6	-.3	.6
Apparel and other textile products	5.3	5.4	5.5	-.4	-3.4
Paper and allied products	5.0	4.9	4.9	.7	.7
Printing and publishing	14.9	14.8	15.4	.1	-3.8
Chemicals and allied products	14.7	14.8	15.6	-.2	-5.5
Industrial inorganic chemicals	3.8	3.8	4.1	-.1	-8.4
Rubber and misc. plastics products	10.0	9.8	9.8	1.4	1.6
NONMANUFACTURING[g]	605.8	626.9	613.7	-3.4	-1.3
CONSTRUCTION	21.7	24.4	22.6	-10.9	-3.9
TRANSPORTATION AND PUBLIC UTILITIES	41.4	43.2	43.4	-4.1	-4.5
Communication, electric, gas services	20.0	20.0	20.3	-.1	-1.5
WHOLESALE TRADE	60.1	60.9	62.0	-1.2	-3.1
RETAIL TRADE	130.8	139.7	133.1	-6.4	-1.8
FINANCE, INSURANCE, AND REAL ESTATE	47.7	48.0	48.1	-.6	-.9
Banking	13.2	13.3	13.5	-.5	-1.7
Insurance carriers	12.0	12.1	12.1	-1.3	-1.2
SERVICES	190.1	193.9	187.4	-2.0	1.5
GOVERNMENT	112.8	115.6	115.8	-2.4	-2.6
Federal government	19.3	19.4	19.5	-.9	-1.4
State government (includes education)	7.8	8.2	7.7	-5.1	.1
Local government	85.8	88.0	88.5	-2.5	-3.1
Local government, except education	44.7	44.7	44.8	.1	-.1
Local government education	41.0	43.3	43.7	-5.2	-6.2

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
JANUARY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1983[b]	December 1982[c]	January 1982[c]	Jan. 1983[b]	Dec. 1982[c]	Jan. 1982[c]	Jan. 1983[b]	Dec. 1982[c]	Jan. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$409.94	$409.37	$381.02	39.8	39.9	38.8	$10.30	$10.26	$ 9.82
Durable Goods[d]	432.40	432.28	397.17	40.0	40.1	38.9	10.81	10.78	10.21
Furniture and fixtures	307.23	328.38	270.61	38.5	39.9	35.7	7.98	8.23	7.58
Primary metal industries	488.10	483.92	449.06	38.8	38.9	37.8	12.58	12.44	11.88
Blast furnace and basic steel products	501.12	502.87	489.18	36.0	36.1	37.2	13.92	13.93	13.15
Iron and steel foundries	560.97	552.35	487.18	41.4	42.1	38.3	13.55	13.12	12.72
Nonferrous foundries	348.43	345.42	295.94	40.8	40.4	36.9	8.54	8.55	8.02
Fabricated metal products	425.72	443.87	374.30	40.7	41.6	38.0	10.46	10.67	9.85
Fabricated structural metal products	342.19	336.36	320.15	40.4	39.9	38.9	8.47	8.43	8.23
Screw machine products, bolts, etc.	387.43	358.32	337.65	39.9	38.2	37.6	9.71	9.38	8.98
Metal forgings and stampings	532.99	576.79	445.99	42.2	44.3	37.7	12.63	13.02	11.83
Machinery, except electrical	401.19	402.23	399.78	38.8	38.9	39.7	10.34	10.34	10.07
Construction and related machinery	426.01	437.97	448.88	37.7	39.0	39.9	11.30	11.23	11.25
Metalworking machinery	401.94	399.64	382.98	38.5	38.8	39.0	10.44	10.30	9.82
Special industry machinery	436.48	417.09	416.12	41.1	39.2	41.2	10.62	10.64	10.10
General industrial machinery	366.63	374.87	389.47	36.7	37.3	39.5	9.99	10.05	9.86
Electric and electronic equipment	355.42	338.10	345.23	38.3	37.4	39.5	9.28	9.04	8.74
Electrical industrial apparatus	342.61	319.48	357.76	35.8	32.7	38.1	9.57	9.77	9.39
Transportation equipment	553.19	553.14	470.05	43.8	43.9	39.7	12.63	12.60	11.84
Motor vehicles and equipment	594.94	579.47	468.71	44.8	44.1	38.2	13.28	13.14	12.27
Instruments and related products	351.10	349.85	319.71	41.6	41.5	41.2	8.44	8.43	7.76
Nondurable Goods[e]	350.06	348.49	334.76	39.2	39.2	38.7	8.93	8.89	8.65
Food and kindred products	349.87	353.03	336.54	39.4	40.3	39.5	8.88	8.76	8.52
Bakery products	369.38	361.46	365.36	38.8	38.7	39.8	9.52	9.34	9.18
Beverages	319.09	341.65	289.91	39.2	42.6	38.5	8.14	8.02	7.53
Apparel and other textile products	256.68	254.45	243.29	37.2	37.2	37.2	6.90	6.84	6.54
Paper and allied products	386.40	374.24	362.61	42.0	40.9	41.3	9.20	9.15	8.78
Printing and publishing	370.88	370.00	362.63	37.2	37.0	37.5	9.97	10.00	9.67
Chemicals and allied products	418.54	413.03	390.26	40.4	40.1	39.5	10.36	10.30	9.88
Industrial inorganic chemicals	416.20	416.20	372.25	39.6	39.6	37.3	10.51	10.51	9.98
Rubber and misc. plastics products	318.71	321.94	287.63	40.6	40.7	38.3	7.85	7.91	7.51
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	643.92	639.75	525.25	37.9	37.5	33.8	16.99	17.06	15.54
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	480.38	480.76	458.14	40.3	40.4	41.2	11.92	11.90	11.12
WHOLESALE TRADE	337.04	333.13	322.87	39.1	39.1	38.3	8.62	8.52	8.43
RETAIL TRADE[f]	168.78	168.49	155.65	28.9	29.1	27.5	5.84	5.79	5.66
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	244.94	241.00	222.31	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
JANUARY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	January 1983[b]	December 1982[c]	January 1982[c]	December 1982	January 1982
TOTAL	491.7	504.0	495.2	- 2.4	- .7
MANUFACTURING	84.6	84.6	89.4	.0	- 5.3
Durable Goods[e]	53.0	52.8	57.1	.4	- 7.2
Stone, clay, and glass products	8.8	9.2	9.3	- 4.4	- 5.3
Fabricated metal products	8.7	8.6	10.2	1.8	- 14.5
Machinery, except electrical	9.8	10.0	11.4	- 1.9	- 13.9
Electric and electronic equipment	10.2	9.7	11.3	4.6	- 9.5
Transportation equipment	7.4	7.2	6.3	3.0	18.1
Nondurable Goods[f]	31.6	31.9	32.3	- .7	- 1.9
Food and kindred products	9.9	10.0	10.1	- 1.2	- 1.8
Printing and publishing	8.2	8.3	8.3	- 1.6	- 2.3
Chemicals and allied products	6.1	6.0	6.0	.3	1.7
Rubber and misc. plastics products	2.8	2.7	3.0	2.5	- 7.4
NONMANUFACTURING[g]	407.0	419.4	405.8	- 2.9	.3
CONSTRUCTION	12.5	14.5	13.5	- 13.6	- 7.5
TRANSPORTATION AND PUBLIC UTILITIES	22.2	23.2	23.3	- 4.3	- 5.0
Communication, electric, gas services	11.0	11.0	11.5	- .1	- 3.9
WHOLESALE TRADE	27.0	27.2	26.7	- .6	1.1
RETAIL TRADE	92.2	97.7	92.3	- 5.7	- .1
FINANCE, INSURANCE, AND REAL ESTATE	42.1	42.1	40.3	.2	4.6
Banking	8.6	8.4	8.2	2.2	4.7
Insurance carriers	17.7	17.8	17.5	- .5	1.3
SERVICES	109.4	111.0	106.5	- 1.4	2.8
GOVERNMENT	101.0	103.1	102.5	- 2.1	- 1.5
Federal government	11.2	11.3	11.4	- .5	- 2.1
State government	48.2	49.9	48.5	- 3.5	- .7
State government, except education	28.8	28.8	29.5	.1	- 2.5
State government education[i]	19.4	21.2	19.0	- 8.4	2.0
Local government	41.6	41.9	42.5	- .7	- 2.2
Local government, except education	17.4	17.3	17.2	.2	1.1
Local government education	24.2	24.5	25.3	- 1.4	- 4.5

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
JANUARY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1983[b]	December 1982[c]	January 1982[c]	Jan. 1983[b]	Dec. 1982[c]	Jan. 1982[c]	Jan. 1983[b]	Dec. 1982[c]	Jan. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$383.04	$387.59	$357.87	39.9	40.5	39.5	$ 9.60	$ 9.57	$ 9.06
Durable Goods[d]	402.20	404.60	368.68	40.1	40.5	39.6	10.03	9.99	9.31
Stone, clay, and glass products	366.13	360.50	337.04	39.2	39.1	38.3	9.34	9.22	8.80
Fabricated metal products	466.26	460.53	410.78	40.9	40.9	38.9	11.40	11.26	10.56
Machinery, except electrical	369.21	388.22	364.21	39.7	41.3	41.2	9.30	9.40	8.84
Electric and electronic equipment	388.96	402.41	365.02	40.9	41.7	40.2	9.51	9.65	9.08
Transportation equipment	520.52	527.33	437.61	44.0	44.5	42.2	11.83	11.85	10.37
Nondurable Goods[e]	347.21	356.81	333.91	39.5	40.5	39.1	8.79	8.81	8.54
Food and kindred products	345.22	359.94	331.25	41.0	42.0	40.2	8.42	8.57	8.24
Printing and publishing	417.02	429.37	392.45	38.4	39.5	38.4	10.86	10.87	10.22
Chemicals and allied products	388.33	390.57	370.93	40.2	40.6	40.1	9.66	9.62	9.25
Rubber and misc. plastics products	272.50	281.18	296.46	37.9	40.4	39.9	7.19	6.96	7.43
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	475.92	475.31	440.37	36.0	36.2	35.6	13.22	13.13	12.37
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	463.27	462.11	440.78	39.8	39.7	40.7	11.64	11.64	10.83
WHOLESALE TRADE	316.34	313.22	289.89	39.2	39.3	38.6	8.07	7.97	7.51
RETAIL TRADE[f]	154.73	157.18	146.31	28.6	29.6	28.3	5.41	5.31	5.17
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	225.69	228.35	212.90	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
JANUARY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	January 1983[b]	December 1982[c]	January 1982[c]	December 1982	January 1982
TOTAL	330.4	336.4	341.5	- 1.8	- 3.3
MANUFACTURING	83.9	83.4	94.2	.6	- 10.9
Durable Goods[e]	58.4	57.9	65.3	.8	- 10.6
Stone, clay, and glass products	1.8	1.8	1.8	2.7	- .3
Fabricated metal products	6.2	6.1	7.1	1.2	- 12.8
Machinery, except electrical	28.3	28.1	31.2	.7	- 9.3
Metalworking machinery	6.2	6.3	7.0	- 1.1	- 11.9
Electric and electronic equipment	4.6	4.6	5.5	.1	- 16.8
Electrical industrial apparatus	2.6	2.6	3.6	- .2	- 26.5
Transportation equipment	12.3	12.2	14.0	1.1	- 11.7
Nondurable Goods[f]	25.5	25.5	28.9	.0	- 11.6
Food and kindred products	3.0	2.9	3.0	.8	.0
Paper and allied products	5.2	5.2	5.7	- 1.1	- 10.1
Printing and publishing	7.3	7.3	8.5	.0	- 14.2
Rubber and misc. plastics products	6.9	6.9	8.5	- .4	- 19.2
NONMANUFACTURING[g]	246.5	253.0	247.3	- 2.6	- .3
CONSTRUCTION	7.9	9.2	8.0	- 14.3	- 1.7
TRANSPORTATION AND PUBLIC UTILITIES	12.2	12.3	12.9	- 1.0	- 5.3
Communication, electric, gas services	6.0	6.0	6.7	- .4	- 10.5
WHOLESALE TRADE	16.5	16.7	16.7	- 1.2	- .7
RETAIL TRADE	53.9	57.7	55.1	- 6.5	- 2.1
FINANCE, INSURANCE, AND REAL ESTATE	13.3	13.4	13.3	- .8	- .1
SERVICES	74.6	75.3	73.0	- 1.0	2.1
GOVERNMENT	67.8	68.1	68.1	- .4	- .5
Federal government	26.1	25.9	25.7	.5	1.4
State government (includes education)	6.1	6.0	5.8	1.1	4.8
Local government	35.7	36.1	36.6	- 1.2	- 2.6
Local government, except education	12.8	12.9	13.1	- .5	- 2.3
Local government education	22.9	23.3	23.5	- 1.6	- 2.7

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
JANUARY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1983[b]	December 1982[c]	January 1982[c]	Jan. 1983[b]	Dec. 1982[c]	Jan. 1982[c]	Jan. 1983[b]	Dec. 1982[c]	Jan. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$407.82	$405.02	$391.84	40.1	40.3	39.5	$10.17	$10.05	$ 9.92
Durable Goods[d]	405.41	402.79	393.81	40.1	40.4	39.9	10.11	9.97	9.87
Stone, clay, and glass products	349.27	354.24	423.91	40.1	41.0	40.8	8.71	8.64	10.39
Fabricated metal products	317.60	310.86	299.49	39.8	39.3	39.2	7.98	7.91	7.64
Machinery, except electrical	422.87	422.51	418.18	40.7	41.1	41.2	10.39	10.28	10.15
Metalworking machinery	440.30	429.70	402.82	42.5	41.8	41.4	10.36	10.28	9.73
Electric and electronic equipment	305.56	316.71	300.70	40.1	41.4	40.8	7.62	7.65	7.37
Electrical industrial apparatus	332.11	333.74	319.09	40.6	40.7	40.7	8.18	8.20	7.84
Transportation equipment	500.99	433.55	467.71	40.5	39.7	38.4	12.37	12.18	12.18
Nondurable Goods[e]	413.83	410.00	386.54	40.1	40.0	38.5	10.32	10.25	10.04
Food and kindred products	387.29	390.80	403.35	39.6	40.0	39.7	9.78	9.77	10.16
Paper and allied products	365.51	365.85	335.36	41.3	42.1	40.6	8.85	8.69	8.26
Printing and publishing	379.65	392.83	406.13	36.4	37.2	39.7	10.43	10.56	10.23
Rubber and misc. plastics products	514.18	498.48	435.18	41.2	40.2	35.7	12.48	12.40	12.19
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	522.88	508.11	478.19	38.0	36.9	35.9	13.76	13.77	13.32
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	455.71	440.43	443.81	39.8	39.5	41.4	11.45	11.15	10.72
WHOLESALE TRADE	325.95	326.36	286.88	41.0	41.0	39.9	7.95	7.96	7.19
RETAIL TRADE[f]	153.12	155.78	141.68	29.0	29.9	28.0	5.28	5.21	5.06
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisery employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
JANUARY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	January 1983[b]	December 1982[c]	January 1982[c]	December 1982	January 1982
TOTAL	278.0	282.8	279.7	- 1.7	- .6
MANUFACTURING	66.9	65.4	69.4	2.3	- 3.6
Durable Goods[e]	51.6	50.2	54.1	2.9	- 4.6
Stone, clay, and glass products	11.5	11.4	12.5	.6	- 7.6
Primary metal industries	3.5	3.4	3.6	2.0	- 2.1
Fabricated metal products	7.1	6.9	7.2	2.2	- 1.0
Metal forgings and stampings	3.2	3.2	3.1	- .4	2.9
Machinery, except electrical	6.0	6.0	6.8	- .4	- 12.7
General industrial machinery	1.6	1.6	1.9	.1	- 14.0
Transportation equipment	16.1	14.8	16.2	8.6	- .6
Motor vehicles and equipment	14.8	13.6	14.9	9.4	- .6
Nondurable Goods[f]	15.2	15.2	15.3	.2	- .3
Food and kindred products	4.0	4.0	3.6	.2	10.9
Rubber and misc. plastics products	3.2	3.2	3.2	.2	- .1
NONMANUFACTURING[g]	211.1	217.4	210.3	- 2.9	.4
CONSTRUCTION	9.2	10.5	10.1	- 12.0	- 8.2
TRANSPORTATION AND PUBLIC UTILITIES	17.1	17.8	17.7	- 3.9	- 3.4
Communication, electric, gas services	7.6	7.7	7.6	- .2	1.0
WHOLESALE TRADE	14.3	14.4	14.8	- 1.1	- 3.5
RETAIL TRADE	49.0	52.0	49.8	- 5.7	- 1.6
FINANCE, INSURANCE, AND REAL ESTATE	10.8	10.8	10.5	- .4	2.8
SERVICES	63.8	64.4	61.4	- .9	4.0
GOVERNMENT	46.6	47.1	45.8	- 1.1	1.6
State government (includes education)	14.7	15.0	14.5	- 1.9	1.5
Local government	29.1	29.3	28.6	- .8	1.7
Local government, except education	10.9	10.9	10.7	- .5	1.4
Local government education	18.2	18.4	17.9	- .9	1.9

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
JANUARY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1983[b]	December 1982[c]	January 1982[c]	Jan. 1983[b]	Dec. 1982[c]	Jan. 1982[c]	Jan. 1983[b]	Dec. 1982[c]	Jan. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$455.13	$452.10	$420.03	41.3	41.1	39.7	$11.02	$11.00	$10.58
Durable Goods[d]	469.89	467.21	433.32	41.4	41.2	39.5	11.35	11.34	10.97
Stone, clay, and glass products	466.40	468.78	450.05	42.4	42.5	42.1	11.00	11.03	10.69
Primary metal industries	430.36	430.54	420.51	41.5	41.2	41.8	10.37	10.45	10.06
Fabricated metal products	453.46	437.96	394.13	42.3	41.2	39.1	10.72	10.63	10.08
Metal forgings and stampings	512.36	502.38	438.65	42.1	41.9	39.2	12.17	11.99	11.19
Machinery, except electrical	400.86	397.17	408.98	39.3	38.9	39.9	10.20	10.21	10.25
General industrial machinery	425.72	424.62	424.47	36.7	36.7	38.8	11.60	11.57	10.94
Transportation equipment	532.03	543.02	482.30	41.5	41.9	38.4	12.82	12.96	12.56
Motor vehicles and equipment	532.45	540.43	484.99	41.5	41.7	38.4	12.83	12.96	12.63
Nondurable Goods[e]	400.90	401.88	372.65	40.7	40.8	40.2	9.85	9.85	9.27
Food and kindred products	420.99	416.17	379.76	41.6	41.7	41.1	10.12	9.98	9.24
Rubber and misc. plastics products	331.53	349.70	304.34	39.8	40.9	37.9	8.33	8.55	8.03
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	611.78	633.36	552.47	37.1	39.0	35.1	16.49	16.24	15.74
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	463.98	469.12	440.08	40.7	40.9	40.3	11.40	11.47	10.92
WHOLESALE TRADE	327.56	333.31	324.02	38.0	38.4	38.3	8.62	8.68	8.46
RETAIL TRADE[f]	159.79	162.21	151.18	29.0	29.6	28.1	5.51	5.48	5.38
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a] JANUARY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	January 1983[b]	December 1982[c]	January 1982[c]	December 1982	January 1982
TOTAL	176.2	177.8	188.2	- .9	- 6.4
MANUFACTURING	50.7	48.6	61.1	4.4	- 16.9
Durable Goods[e]	45.9	43.7	56.1	4.9	- 18.2
Stone, clay, and glass products	1.7	1.5	1.5	13.0	8.6
Primary metal industries	21.6	20.3	26.3	6.2	- 17.9
Blast furnace and basic steel products	9.2	8.7	14.3	5.7	- 35.8
Fabricated metal products	7.9	7.8	8.4	.7	- 6.2
Fabricated structural metal products .	2.4	2.5	2.5	- 4.0	- 6.8
Machinery, except electrical	4.1	4.3	5.3	- 3.6	- 21.9
Metalworking machinery	2.1	2.2	2.5	- 6.1	- 15.4
Electric and electronic equipment	2.7	1.9	2.9	42.7	- 9.3
Transportation equipment	6.2	6.2	9.8	- .3	- 36.7
Nondurable Goods[f]	4.9	4.9	5.0	- .5	- 3.0
NONMANUFACTURING[g]	125.5	129.2	127.1	- 2.9	- 1.3
CONSTRUCTION	4.4	5.0	4.9	- 12.3	- 11.7
TRANSPORTATION AND PUBLIC UTILITIES	7.7	8.0	8.5	- 3.6	- 9.4
Communication, electric, gas services ..	3.2	3.2	3.4	- .4	- 4.1
WHOLESALE TRADE	7.8	8.0	8.1	- 2.5	- 3.7
RETAIL TRADE	34.3	36.3	35.6	- 5.6	- 3.7
FINANCE, INSURANCE, AND REAL ESTATE	7.2	7.1	7.1	.1	1.3
SERVICES	39.4	39.6	37.8	- .5	4.1
GOVERNMENT	23.7	24.1	24.1	- 1.8	- 1.7
Local government (includes education) ..	18.3	18.3	18.8	.2	- 2.3

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]

JANUARY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	January 1983[b]	December 1982[c]	January 1982[c]	Jan. 1983[b]	Dec. 1982[c]	Jan. 1982[c]	Jan. 1983[b]	Dec. 1982[c]	Jan. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$489.62	$484.00	$458.64	40.7	40.3	39.1	$12.03	$12.01	$11.73
Durable Goods[d]	502.25	496.11	470.40	40.8	40.4	39.2	12.31	12.28	12.00
Stone, clay, and glass products	316.35	313.56	286.28	36.7	38.1	34.0	8.62	8.23	8.42
Primary metal industries	509.59	477.67	499.97	38.9	37.0	38.4	13.10	12.91	13.02
Blast furnace and basic steel products	519.77	471.97	544.56	37.1	34.4	40.1	14.01	13.72	13.58
Fabricated metal products	536.79	512.11	444.60	42.3	41.5	39.0	12.69	12.34	11.40
Fabricated structural metal products	381.02	398.82	329.51	37.8	39.1	35.7	10.08	10.20	9.23
Machinery, except electrical	438.83	459.03	424.82	37.7	39.1	37.2	11.64	11.74	11.42
Metalworking machinery	456.30	488.72	442.40	38.9	41.0	39.5	11.73	11.92	11.20
Electric and electronic equipment	397.80	393.02	363.78	40.8	39.9	40.6	9.75	9.85	8.96
Transportation equipment	606.17	664.25	519.40	48.3	50.9	42.4	12.55	13.05	12.25
Nondurable Goods[e]	350.45	355.31	326.31	39.2	39.1	38.8	8.94	9.10	8.41
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	498.78	557.65	493.45	34.0	36.4	35.5	14.67	15.32	13.90
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	451.60	448.40	419.93	40.0	40.0	40.3	11.29	11.21	10.42
WHOLESALE TRADE	297.22	308.70	320.26	34.4	35.2	38.4	8.64	8.77	8.34
RETAIL TRADE[f]	157.47	162.00	150.48	29.0	30.0	28.5	5.43	5.40	5.28
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	.....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \; X \; \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

3/23/83 S6370-1

Ohio Labor Market Information

BUREAU OF EMPLOYMENT SERVICES

JOB SERVICE OF OHIO

RICHARD F. CELESTE, *Governor*
DR. ROBERTA STEINBACHER, *Administrator*

BEST AVAILABLE COPY

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
FEBRUARY 1983

Unemployment in Ohio dipped from 738,000 in January to 713,000 in February, dropping the jobless rate from 14.9 to 14.5 percent of the civilian labor force. Total employment advanced .2 percent, to 4,212,000. Gains in manufacturing--concentrated among steel and automotive industries--boosted nonfarm payroll employment slightly, to 4,016,000.

Factory employment in Ohio rose .5 percent from January, to 1,057,000 in February. Stepped-up orders led to employment gains throughout the primary metals industries, notably among basic steel producers. Auto manufacturers and suppliers of automotive components--stampings, hardware, wire--also reported a moderate number of recalls during the month. Lack of orders, on the other hand, led to layoffs in the production of metalworking machinery, and of furniture. Declines in electrical equipment and pottery were largely attributable to labor-management disputes.

Employment in Ohio's nonmanufacturing industries totaled 2,959,000 in February, marginally below January. The post-holiday decline in retailing continued, as department, clothing, and variety stores released temporary personnel. Sluggish outdoor activity and job completions dropped construction employment to a winter low. Declines were moderated, however, by seasonal upturns in public and private education.

Average weekly earnings of Ohio's factory production workers rose $3.50 from January, to a record $418.50 in February. The average workweek, at 40.4 hours, was slightly longer. Overtime increases boosted earnings in the production of motor vehicles. Higher gross averages in automotive hardware, nonferrous rolling and drawing, and metal stampings were also attributable to more overtime. Wage-rate increases, plus premium overtime, lifted earnings in petroleum refining. Lower averages in meat processing and leather products, however, reflected shorter workweeks. Commercial printers and producers of metal fasteners reported curtailed overtime.

Unemployment in Ohio increased from 607,000 in February 1982 to 713,000 in February 1983, lifting the jobless rate from 12.2 to 14.5 percent. Total employment declined 3.6 percent over the year, as nonfarm payrolls slipped by 2.4 percent. Factory employment fell 6.8 percent from the year-ago level as job losses in nonelectrical machinery, primary metals, and metal fabricating totaled over 60,000. Nonmanufacturing also dipped, although gains among service industries moderated declines elsewhere. Factory production workers averaged .3 hours more per week in February 1983 than in February 1982. Their gross weekly earnings rose nearly $23 over the year.

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--February nonfarm wage and salary employment in Akron, at 245,400, was 2,000 above January. Nonmanufacturing rose despite seasonal losses in retail trade and construction, as universities and colleges resumed classes following a break in January. Recalls in metal stampings were responsible for the gain of 600 in manufacturing, to 66,800 in February. Production workers in factories grossed $10.16 per hour, down 5¢ from January, for a slightly shorter workweek--42.4 hours.

Canton.--Canton's nonagricultural wage and salary employment totaled 144,500 in February, unchanged from January. Increases in food products raised manufacturing moderately, to 45,100. Nonmanufacturing slipped as gains in services and government were surpassed by losses in retail trade and construction. The average hourly earnings of factory production workers increased 2¢, to $10.58 an hour. Their average workweek, at 38.5 hours, was .2 hours shorter.

Cincinnati.--Nonfarm establishments in Cincinnati employed 559,400 wage and salary workers in February, down 1,700 from January. Widespread losses lowered manufacturing to 142,800, down 1,000 for the month. Retail trade and construction decreased seasonally, reducing the nonmanufacturing total despite gains in government and services. Hourly earnings of the average production worker, at $9.94, were up 9¢ from January. The average workweek--40.5 hours--was little changed.

Cleveland.--Cleveland's nonagricultural wage and salary employment rose 2,200 from January, to 817,900 in February. Most of the gain was due to seasonal growth in nonmanufacturing, especially in services and government, augmented by settlements of labor-management disputes in local schools. Recalls of steel and auto workers resulted in a gain of 800 for manufacturing, to 211,100 for the month. The workweek for the average factory production worker, at 39.8 hours, was on par with January. Average hourly earnings, at $10.27, were down 2¢ from the previous month.

Columbus.--Nonfarm establishments in the Columbus area employed 492,100 wage and salary workers in February, up 600 from January. Widespread gains among durable-goods producers accounted for the increase--boosting manufacturing by 1,200, to 85,800 for the month. Nonmanufacturing decreased, on the other hand, as retail trade and construction slipped seasonally. Earnings of factory production workers rose 6¢, to $9.68 an hour. Average weekly hours, at 40.0, were up slightly from January.

Dayton.--Workers on nonfarm payrolls in Dayton numbered 330,700 in February, up 400 from January. Expansion in manufacturing--up 800, to 84,700--accounted for the overall gain. Nonmanufacturing decreased for the month, however, due to curtailments in retailing and construction. Hourly earnings of factory production workers rose 9¢, to $10.25 an hour. The average workweek, at 40.2 hours, was .2 hours longer than in January.

Toledo.--Nonagricultural establishments in Toledo employed 275,200 wage and salary workers in February, down 2,200 from January. Over half of the loss occurred as manufacturing decreased by 1,200, to 65,200 for the month, due largely to a labor-management dispute in electric and electronic equipment. Nonmanufacturing also declined for the month, as retail trade and construction dipped seasonally. The workweek for the average factory production worker, at 41.5 hours, was on par with January, while his hourly earnings were up 2¢, to $11.12 an hour.

Youngstown-Warren.--February nonfarm payroll employment in the Youngstown-Warren area totaled 176,300, up 700 from January. Seasonal declines in retail trade and construction lowered nonmanufacturing for the month. Manufacturing rose 900, however, to 50,900 in February, due chiefly to gains in primary metal industries. Production workers in factories grossed $12.16 per hour, up 16¢ from January. The average workweek increased .6 hours, to 40.7 hours.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 3-16-83

BEST AVAILABLE COPY

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1972	248.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	600.6	895.6	509.8	355.7	293.1	203.1
1981	259.6	156.6	592.2	880.7	506.6	352.5	290.9	198.7
1982	250.8	149.7	575.5	847.5	497.9	337.0	282.2	182.2
1982								
February.	250.6	148.8	566.2	847.2	493.1	337.6	278.7	180.9
March ...	250.9	148.9	570.6	848.0	494.9	336.8	279.5	183.3
April ...	251.1	150.4	576.1	848.7	496.1	337.0	282.7	181.7
May	254.3	151.2	580.7	854.5	498.3	337.6	286.0	185.9
June	249.5	152.2	584.0	859.3	501.1	338.7	285.7	186.4
July	248.4	151.2	573.5	850.7	493.6	333.9	277.7	182.5
August ..	248.3	150.5	574.2	846.7	494.4	332.2	278.9	178.6
September	253.0	150.3	580.3	846.0	497.3	338.9	285.2	182.4
October .	252.5	148.3	579.0	842.3	503.5	338.1	285.5	180.9
November.	251.7	147.9	576.9	840.5	503.8	335.7	284.6	177.3
December.	250.4	147.3	574.8	837.3	504.0	336.4	282.8	177.8
1983								
January .	243.4	144.5	561.1	815.6	491.5	330.3	277.4	175.6
February.	245.4	144.5	559.4	817.9	492.1	330.7	275.2	176.3
	MANUFACTURING EMPLOYMENT (in thousands)							
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	[illegible]	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.6	79.9
1980	79.1	55.7	162.4	254.9	96.8	99.4	75.4	70.8
1981	75.7	54.8	157.3	246.8	93.1	97.8	74.6	67.3
1982	68.8	48.2	147.2	224.1	86.7	87.9	68.8	53.4
1982								
February.	71.0	50.1	146.5	233.1	88.4	90.8	69.7	54.0
March ...	70.6	49.5	148.1	230.9	87.9	89.3	69.6	55.9
April ...	70.1	49.1	147.2	228.5	86.4	88.6	69.4	53.4
May	69.7	48.8	147.5	227.7	86.2	88.4	69.9	55.4
June	69.5	49.5	148.6	227.4	86.6	88.7	70.1	55.3
July	68.1	48.9	146.3	223.5	86.4	88.5	68.1	54.4
August ..	67.9	48.5	147.0	221.1	86.2	86.4	69.8	50.6
September	68.3	47.9	147.9	222.3	86.5	87.6	70.1	52.8
October .	67.4	45.8	147.0	216.1	86.3	85.8	67.4	51.4
November.	66.5	45.2	147.0	213.7	85.7	82.9	66.8	47.6
December.	65.3	44.7	145.0	210.3	84.6	83.4	65.4	48.6
1983								
January .	66.2	45.0	143.8	210.3	84.7	84.0	66.4	50.0
February.	66.8	45.1	142.8	211.1	85.8	84.7	65.2	50.9

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

BEST AVAILABLE COPY

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1972	53.5	42.2	110.7	188.7	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.7	39.6	103.5	161.8	61.3	64.4	49.2	50.8
1982	37.2	33.7	96.1	142.5	55.6	55.8	45.1	38.5
1982								
February.	38.9	35.1	94.9	149.1	57.3	58.3	45.5	39.1
March ...	38.6	34.7	96.6	147.2	56.7	57.0	45.6	40.7
April ...	38.4	34.1	95.8	145.7	55.6	56.5	45.5	38.6
May	38.1	34.2	96.5	145.2	55.2	56.3	45.9	40.1
June	37.7	35.1	97.6	145.2	55.7	56.7	46.2	40.3
July	36.4	34.4	95.4	142.0	55.5	56.3	44.3	39.4
August ..	36.2	34.0	95.9	139.9	55.3	54.3	46.0	35.8
September	36.8	33.6	97.0	142.0	55.4	55.6	46.6	37.8
October .	36.2	31.8	96.4	136.6	55.0	54.1	44.2	36.6
November.	35.3	31.4	96.5	135.0	54.3	51.4	43.8	33.5
December.	34.5	30.8	94.5	132.1	53.4	52.1	42.5	34.3
1983								
January .	35.4	31.2	93.3	132.0	53.6	52.6	43.5	35.6
February.	35.9	31.3	92.4	133.1	54.6	53.4	42.3	36.6
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.8
1982	41.0	38.6	40.5	39.9	39.8	40.0	41.1	39.3
1982								
February.	41.6	39.3	39.8	40.2	39.8	40.0	41.0	39.3
March ...	41.2	38.6	39.9	40.1	39.4	39.5	40.9	39.1
April ...	40.8	38.8	40.2	40.1	39.4	39.8	40.3	38.6
May	41.0	38.8	40.6	40.5	39.7	40.0	41.0	39.3
June	41.5	39.2	41.0	41.0	40.1	41.2	41.8	40.1
July	41.0	36.7	40.4	40.0	39.4	41.1	41.8	39.4
August ..	40.2	38.3	40.7	40.1	39.6	40.3	41.4	37.9
September	41.0	39.1	40.5	39.6	39.8	39.8	41.8	39.5
October .	40.5	38.3	40.2	39.2	39.7	39.3	41.3	39.3
November.	41.2	38.3	41.4	39.2	40.3	39.2	41.3	39.6
December.	41.6	39.1	41.5	39.9	40.5	40.3	41.1	40.3
1983								
January .	42.5	38.7	40.4	39.8	39.9	40.0	41.5	40.1
February.	42.4	38.5	40.5	39.8	40.0	40.2	41.5	40.7

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1972	$4.68	$4.48	$4.15	$4.50	$4.06	$ 4.74	$ 4.67	$ 4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1982	9.83	10.22	9.57	10.10	9.31	10.02	10.89	11.72
1982								
February.	9.77	10.05	9.25	9.86	9.05	9.82	10.71	11.70
March ...	9.83	10.01	9.42	9.93	9.12	9.84	10.80	11.69
April ...	9.80	10.08	9.44	9.99	9.18	9.94	10.80	11.59
May	9.80	10.13	9.54	10.12	9.27	10.06	10.91	11.70
June	9.81	10.25	9.64	10.25	9.31	10.33	10.98	11.71
July	9.68	10.05	9.66	10.22	9.37	10.28	11.06	11.85
August ..	9.79	10.35	9.62	10.18	9.40	10.05	10.91	11.64
September	9.91	10.39	9.68	10.26	9.47	10.08	10.93	11.75
October .	9.92	10.46	9.65	10.15	9.49	10.01	11.01	11.58
November.	9.95	10.44	9.78	10.19	9.50	9.89	11.01	11.65
December.	10.06	10.52	9.84	10.26	9.57	10.05	11.00	12.01
1983								
January .	10.21	10.56	9.85	10.29	9.62	10.16	11.10	12.00
February.	10.16	10.58	9.94	10.27	9.68	10.25	11.12	12.16
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1972	$197.03	$181.89	$173.89	$190.35	$164.02	$201.45	$196.14	$201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	395.38	346.80	397.85	406.14	474.10
1982	403.03	394.49	387.59	402.99	370.54	400.80	447.58	460.60
1982								
February.	406.43	394.97	368.15	396.37	360.19	392.80	439.11	459.81
March ...	405.00	386.39	375.86	398.19	359.33	388.68	441.72	457.08
April ...	399.84	391.10	379.49	400.60	361.69	395.61	435.24	447.37
May	401.80	393.04	387.32	409.86	368.02	402.40	447.31	459.81
June	407.12	401.80	395.24	420.25	373.33	425.60	458.96	469.57
July	396.88	368.84	390.26	408.80	369.18	422.51	462.31	466.89
August ..	393.56	396.41	391.53	408.22	372.24	405.02	451.67	441.16
September	406.31	406.25	392.04	406.30	376.91	401.18	456.87	464.13
October .	401.76	400.62	387.93	397.88	376.75	393.39	454.71	455.09
November.	409.94	399.85	404.89	399.45	382.85	387.69	454.71	461.34
December.	418.50	411.33	408.36	409.37	387.59	405.02	452.10	484.00
1983								
January .	433.93	408.67	397.94	409.54	383.84	406.40	460.65	481.20
February.	430.78	407.33	402.57	408.75	387.20	412.05	461.48	494.91

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
		AKRON[b]					CANTON[c]		
1972	282.2	267.3	14.8	5.3	1972	165.6	155.3	10.3	6.2
1973	287.1	274.9	12.2	4.3	1973	171.2	163.1	8.1	4.7
1974	290.8	277.7	13.0	4.5	1974	175.6	167.5	8.1	4.6
1975	292.0	264.3	27.7	9.5	1975	174.7	158.0	16.7	9.6
1976	291.3	266.3	25.0	8.6	1976	174.4	158.6	15.8	9.1
1977	294.2	274.7	19.5	6.6	1977	175.9	163.1	12.9	7.3
1978	298.9	282.2	16.7	5.6	1978	179.9	170.0	9.9	5.5
1979	303.8	285.4	18.4	6.1	1979	184.3	173.7	10.6	5.7
1980	303.9	278.2	25.7	8.5	1980	187.7	170.8	16.8	9.0
1981	301.8	273.2	28.6	9.5	1981	188.1	170.1	18.0	9.6
1982	305.8	269.4	36.4	11.9	1982	192.5	165.1	27.4	14.3
1982					1982				
January	300.5	266.3	34.2	11.4	January ...	187.5	163.7	23.8	12.7
February ...	299.9	264.6	35.2	11.7	February ..	185.1	161.3	23.8	12.9
March	301.4	266.0	35.4	11.7	March	187.9	162.2	25.7	13.7
April	301.8	267.7	34.1	11.3	April	189.5	164.7	24.8	13.1
May	304.3	273.2	31.1	10.2	May	190.4	167.0	23.4	12.3
June	308.7	273.1	35.6	11.5	June	196.6	170.6	26.1	13.3
July	313.7	276.1	37.6	12.0	July	201.2	172.0	29.2	14.5
August	312.7	275.0	37.7	12.1	August	199.7	170.6	29.1	14.6
September ..	308.5	272.2	36.3	11.8	September .	193.0	166.4	26.6	13.8
October	309.3	271.0	38.3	12.4	October ...	195.8	163.9	31.8	16.3
November ...	304.7	264.7	39.9	13.1	November ..	192.9	160.0	32.9	17.1
December ...	304.5	262.9	41.6	13.7	December ..	191.0	159.0	32.0	16.8
1983					1983				
January[p] ...	296.4	251.9	44.5	15.0	January[p] ..	186.5	153.1	33.4	17.9
		CINCINNATI[d]					CLEVELAND[e]		
1972	561.0	529.0	32.0	5.7	1972	873.2	825.2	48.0	5.5
1973	572.0	543.0	29.0	5.1	1973	883.9	849.0	34.9	3.9
1974	595.3	569.8	25.5	4.3	1974	899.1	861.4	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	896.9	826.3	70.6	7.9
1976	604.8	566.6	38.2	6.3	1976	897.7	834.4	63.3	7.0
1977	623.4	588.7	34.7	5.6	1977	908.5	854.4	54.0	5.9
1978	648.3	615.8	32.5	5.0	1978	921.7	878.5	43.2	4.7
1979	663.4	628.1	35.3	5.3	1979	935.8	889.1	46.7	5.0
1980	676.2	628.6	47.5	7.0	1980	937.1	869.0	68.2	7.3
1981	678.6	619.2	59.5	8.8	1981	929.2	850.8	78.4	8.4
1982[f]	680.9	608.4	72.5	10.6	1982	933.7	833.8	100.0	10.7
1982[f]					1982				
January	665.4	594.4	71.1	10.7	January ...	916.5	830.9	85.6	9.3
February ...	657.0	585.6	71.4	10.9	February ..	905.2	820.8	84.4	9.3
March	664.3	591.2	73.0	11.0	March	918.3	824.3	93.9	10.2
April	669.7	601.4	68.3	10.2	April	919.4	829.4	90.0	9.8
May	675.9	611.2	64.7	9.6	May	929.6	841.7	87.9	9.5
June	696.8	622.8	74.0	10.6	June	963.3	858.4	104.9	10.9
July	696.7	622.5	74.2	10.6	July	967.4	862.9	104.5	10.8
August	695.4	622.7	72.7	10.5	August	963.1	855.8	107.3	11.1
September ..	690.0	619.4	70.6	10.2	September .	934.4	833.4	100.9	10.8
October	696.3	618.5	77.8	11.2	October ...	939.9	829.2	110.7	11.8
November ...	683.9	606.9	76.9	11.3	November ..	926.6	811.3	115.3	12.4
December ...	679.2	603.6	75.6	11.1	December ..	921.5	807.1	114.3	12.4
1983					1983				
January[p] ...	INA	INA	INA	INA	January[p] ..	895.4	777.0	118.4	13.2

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [f] 1982 estimates for the Cincinnati area are preliminary. 1982 estimates for the other metropolitan areas have been revised to a March 1982 benchmark. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]

(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
COLUMBUS[g]					DAYTON[h]				
1972	469.1	450.2	18.9	4.0	1972	353.5	336.2	17.3	4.9
1973	485.5	468.3	17.1	3.5	1973	358.0	343.5	14.5	4.1
1974	495.4	475.5	19.9	4.0	1974	359.5	342.5	17.0	4.7
1975	495.0	458.6	36.5	7.4	1975	357.6	327.7	29.9	8.4
1976	503.6	468.5	35.1	7.0	1976	360.5	336.3	24.2	6.7
1977	513.4	483.3	30.1	5.9	1977	368.6	348.3	20.3	5.5
1978	531.4	506.5	24.9	4.7	1978	381.1	363.7	17.3	4.6
1979	543.0	517.1	25.8	4.8	1979	392.2	367.9	24.2	6.2
1980	554.7	523.3	31.5	5.7	1980	390.2	360.9	29.3	7.5
1981	562.5	518.7	43.8	7.8	1981	389.8	357.4	32.4	8.3
1982	568.8	518.0	50.8	8.9	1982	391.1	347.0	44.2	11.3
1982					1982				
January	560.0	511.7	48.3	8.6	January ...	389.5	349.4	40.1	10.3
February ...	553.1	504.1	49.0	8.9	February ..	383.8	341.7	42.1	11.0
March	559.2	508.3	50.9	9.1	March	388.0	342.4	45.6	11.8
April	562.8	512.5	50.3	8.9	April	388.7	344.9	43.8	11.3
May	566.7	519.3	47.4	8.4	May	389.1	348.5	40.7	10.4
June	584.7	531.7	52.9	9.1	June	401.2	354.8	46.4	11.6
July	582.9	530.8	52.1	8.9	July	400.1	355.1	45.0	11.2
August	582.4	529.3	53.1	9.1	August	396.3	351.7	44.6	11.3
September ..	568.2	518.8	49.4	8.7	September .	391.7	349.6	42.1	10.7
October	574.9	523.8	51.2	8.9	October ...	393.4	348.3	45.2	11.5
November ...	567.1	513.4	53.6	9.5	November ..	386.5	338.7	47.8	12.4
December ...	564.0	512.3	51.8	9.2	December ..	385.3	338.5	46.8	12.1
1983					1983				
January[p] ...	547.7	492.6	55.2	10.1	January[p] ..	375.5	327.6	47.8	12.7
TOLEDO[i]					YOUNGSTOWN-WARREN[j]				
1972	329.4	311.3	18.1	5.5	1972	226.9	212.1	14.8	6.5
1973	339.8	324.2	15.6	4.6	1973	232.5	221.8	10.8	4.6
1974	343.8	324.2	19.7	5.7	1974	236.7	223.7	13.0	5.5
1975	344.8	310.2	34.6	10.0	1975	236.7	209.8	26.9	11.4
1976	347.8	319.4	28.4	8.2	1976	234.2	210.5	23.7	10.1
1977	355.0	329.4	25.6	7.2	1977	234.0	215.0	19.0	8.1
1978	362.1	339.7	22.4	6.2	1978	235.2	217.5	17.7	7.5
1979	368.2	341.7	26.4	7.2	1979	237.1	219.9	17.1	7.2
1980	367.7	329.7	38.0	10.3	1980	238.4	210.4	28.0	11.7
1981	366.9	327.3	39.6	10.8	1981	233.1	205.3	27.7	11.9
1982	366.7	320.2	46.6	12.7	1982	237.7	191.5	46.2	19.4
1982[k]					1982				
January	361.0	313.4	47.6	13.2	January ...	233.3	196.5	36.8	15.8
February ...	355.7	310.0	45.7	12.8	February ..	233.1	187.0	46.0	19.7
March	360.2	312.1	48.2	13.4	March	231.7	190.3	41.5	17.9
April	362.5	317.5	45.0	12.4	April	236.0	189.6	46.5	19.7
May	365.1	325.3	39.8	10.9	May	236.4	195.5	41.0	17.3
June	374.5	329.8	44.7	11.9	June	244.4	199.0	45.4	18.6
July	374.3	327.1	47.2	12.6	July	242.8	197.9	44.9	18.5
August	371.6	326.3	45.3	12.2	August	245.6	193.4	51.2	21.2
September ..	368.8	323.8	45.0	12.2	September .	238.0	192.3	45.7	19.2
October	374.9	324.9	50.0	13.3	October ...	239.2	190.6	48.5	20.3
November ...	364.8	317.4	47.5	13.0	November ..	237.7	183.0	54.7	23.0
December ...	367.2	314.7	52.6	14.3	December ..	234.2	183.1	51.1	21.8
1983					1983				
January[p] ...	INA	INA	INA	INA	January[p] ..	226.9	178.5	48.4	21.3

---

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [g] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [h] Defined as Greene, Miami, Montgomery, and Preole Counties. [i] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Defined as Mahoning and Trumbull Counties. [k] 1982 estimates for the Toledo area are preliminary. 1982 estimates for the other metropoliten areas have been revised to a March 1982 benchmark. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1972	4,510	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,087	4,660	426	8.4	7.1
1981	5,099	4,607	492	9.6	7.6
1982	5,122	4,481	640	12.5	9.7
1982					
February.	4,977	4,370	607	12.2	9.6
March ...	5,024	4,407	617	12.3	9.5
April ...	[illegible]	4,454	607	12.0	9.2
May	[illegible]	4,536	568	11.1	9.1
June	5,264	4,619	645	12.3	9.8
July	5,274	4,628	646	12.2	9.8
August ..	5,249	4,590	659	12.5	9.6
September	5,136	4,505	631	12.3	9.7
October .	5,177	4,494	683	13.2	9.9
November.	5,088	4,378	710	14.0	10.4
December.	5,058	4,344	714	14.1	10.5
1983					
January .	4,942	4,204	738	14.9	11.4
February.	4,925	4,212	713	14.5	11.3

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.3	3,103.0
1981	4,317.6	1,232.6	3,085.1
1982	4,138.7	1,103.6	3,035.1
1982			
February.	4,115.0	1,133.7	2,981.3
March ...	4,129.1	1,132.5	2,996.6
April ...	4,146.1	1,117.3	3,028.8
May	4,180.9	1,116.5	3,064.4
June	4,191.6	1,119.3	3,072.3
July	4,131.3	1,104.6	3,026.7
August ..	4,116.7	1,093.2	3,023.5
September	4,153.3	1,100.5	3,052.8
October .	4,139.2	1,073.5	3,065.7
November.	4,121.4	1,056.9	3,064.5
December.	4,102.5	1,043.9	3,058.6
1983			
January .	4,012.3	1,051.7	2,960.6
February.	4,015.8	1,056.9	2,958.9

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.6	726.6	203.8	830.9	689.9
1981	30.7	153.7	217.2	232.5	717.7	205.8	851.5	676.0
1982	30.7	135.5	207.6	229.3	707.3	206.4	859.7	658.6
1982								
February.	30.9	116.3	206.8	228.6	683.1	204.1	838.1	673.5
March ...	30.6	119.6	206.6	228.8	687.0	204.4	845.0	674.5
April ...	31.0	129.5	207.3	229.1	699.1	204.9	856.1	671.8
May	31.3	139.2	209.6	229.8	709.8	205.8	862.7	676.2
June	31.4	142.9	211.0	230.1	714.2	208.0	871.2	663.5
July	31.1	146.1	209.9	229.7	710.8	208.9	867.5	622.8
August ..	30.1	147.7	209.3	229.4	712.5	208.4	869.2	616.8
September	31.0	147.3	208.4	229.1	715.0	207.2	874.8	640.0
October .	30.3	147.2	206.1	229.4	710.7	206.5	871.4	664.1
November.	30.3	142.2	204.6	229.0	718.4	206.8	865.8	667.3
December.	29.0	129.5	203.6	229.0	730.4	207.3	861.7	668.2
1983								
January .	28.6	112.8	195.5	226.3	687.3	205.8	847.0	657.3
February.	28.2	108.8	194.6	225.2	674.8	205.3	853.3	668.6

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures. All data exclude military personnel.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1972	1,346.8	948.8	398.0	979.2	$181.3	40.7
1973	1,426.3	1,018.2	408.1	1,046.7	210.8	44.3
1974	1,416.6	1,013.1	403.5	1,028.7	217.4	42.4
1975	1,267.5	892.4	375.1	897.8	201.5	36.2
1976	1,295.3	910.6	384.6	926.1	233.9	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.3	882.6	381.8	867.8	301.9	35.2
1981	1,232.6	860.4	372.2	847.7	330.4	34.7
1982	1,103.6	755.4	348.3	738.1	298.0	29.6
1982						
February.	1,133.7	783.7	350.0	763.5	302.2	30.6
March ...	1,132.5	783.9	348.7	763.5	302.2	30.5
April ...	1,117.3	769.3	348.1	749.7	298.2	29.9
May	1,116.5	767.4	349.1	748.8	302.2	30.1
June	1,119.3	768.8	350.5	752.5	311.5	30.6
July	1,104.6	756.9	347.6	738.6	301.2	29.6
August ..	1,093.2	743.3	349.9	728.4	294.6	29.1
September	1,100.5	748.3	352.2	736.6	302.5	29.7
October .	1,073.5	728.5	345.0	712.1	288.1	28.4
November.	1,056.9	713.1	343.8	698.2	285.5	28.1
December.	1,043.9	701.7	342.2	687.1	286.7	28.0
1983						
January .	1,051.7	712.5	339.2	695.0	288.5	28.0
February.	1,056.9	716.0	340.9	700.6	293.2	28.3

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1972	$185.12	$190.19	$172.60	41.6	41.8	40.9	$4.45	$4.55	$4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1982	403.81	414.80	378.95	40.1	40.0	40.4	10.07	10.37	9.38
1982									
February.	395.79	405.60	373.30	40.1	40.0	40.4	9.87	10.14	9.24
March ...	395.81	406.36	370.93	39.9	39.8	40.1	9.92	10.21	9.25
April ...	397.80	407.55	374.00	39.9	39.8	40.0	9.97	10.24	9.35
May	403.61	414.63	377.21	40.2	40.1	40.3	10.04	10.34	9.36
June	413.92	426.54	381.92	40.7	40.7	40.5	10.17	10.48	9.43
July	407.82	419.60	379.22	40.1	40.0	40.3	10.17	10.49	9.41
August ..	404.40	415.51	379.89	40.0	39.8	40.5	10.11	10.44	9.38
September	410.66	421.60	385.28	40.3	40.0	40.9	10.19	10.54	9.42
October .	404.59	416.31	378.95	39.9	39.8	40.1	10.14	10.46	9.45
November.	408.83	418.80	387.06	40.2	40.0	40.7	10.17	10.47	9.51
December.	417.18	429.14	390.46	40.7	40.6	40.8	10.25	10.57	9.57
1983									
January .	415.09	427.99	387.03	40.3	40.3	40.4	10.30	10.62	9.58
February.	418.54	432.95	386.32	40.4	40.5	40.2	10.36	10.69	9.61

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.7	67.4	92.7
1981	61.0	138.3	154.9	204.2	101.9	136.9	69.2	66.1	89.0
1982	54.1	113.3	135.0	179.3	93.2	122.0	66.9	63.2	80.7
1982									
February.	54.4	122.7	140.8	192.5	96.6	118.3	65.1	64.9	81.7
March ...	53.8	121.1	140.3	189.8	96.0	124.3	65.4	64.4	81.4
April ...	54.2	117.9	138.3	185.9	94.4	119.9	65.5	63.9	81.5
May	54.6	115.7	137.4	182.9	94.2	123.8	65.9	63.9	81.9
June	55.3	115.9	137.0	180.6	94.9	125.8	67.1	63.5	82.2
July	55.5	113.8	133.9	176.6	94.1	124.5	67.0	62.6	81.0
August ..	54.7	112.6	131.9	175.3	92.6	117.1	69.7	62.3	80.6
September	55.0	111.4	133.0	174.1	92.0	123.3	70.9	62.3	80.7
October .	54.6	104.2	129.5	168.9	90.8	121.6	67.7	62.0	78.0
November.	53.1	100.8	128.0	166.1	90.1	117.5	66.6	62.2	78.3
December.	50.3	98.1	127.0	163.4	85.6	120.5	66.3	61.8	77.6
1983									
January .	50.2	100.2	128.3	163.2	89.5	125.1	63.9	61.6	78.0
February.	50.2	103.1	130.0	161.7	88.9	126.3	64.3	61.7	79.5
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1972	$175.14	$204.61	$187.87	$193.46	$164.42	$219.99	$173.43	$187.21	$180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	358.45	381.11
1982									
February.	361.00	479.97	387.89	391.55	365.82	476.49	376.28	365.00	382.94
March ...	371.18	466.29	393.03	390.98	361.43	485.44	377.29	357.00	376.25
April ...	368.15	473.14	397.79	387.68	364.05	493.07	380.42	352.08	376.14
May	372.20	473.07	400.57	387.29	366.96	522.22	385.40	358.45	380.55
June	379.86	495.67	408.18	401.79	366.16	541.37	390.45	354.52	395.37
July	380.14	488.71	405.73	390.04	358.75	528.24	385.02	351.50	385.70
August ..	380.83	496.98	399.35	391.24	365.98	502.18	389.06	351.22	385.15
September	393.65	492.35	401.32	394.18	364.94	528.58	400.26	357.27	380.57
October .	386.78	477.98	401.37	399.78	374.46	502.94	387.28	355.15	368.54
November.	387.69	478.37	407.42	393.39	374.14	518.13	393.71	364.65	380.70
December.	391.35	488.67	420.65	405.42	383.60	526.87	402.66	374.74	388.69
1983									
January .	385.01	486.16	427.00	401.37	380.09	517.33	391.68	370.02	392.22
February.	379.45	495.57	433.78	405.78	380.69	526.06	383.11	367.54	395.78

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
FEBRUARY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	February 1983[b]	January 1983[c]	February 1982[c]	January 1983	February 1982
TOTAL	4015.8	4012.3	4115.0	.1	- 2.4
MANUFACTURING	1056.9	1051.7	1133.7	.5	- 6.8
Durable Goods[e]	716.0	712.5	783.7	.5	- 8.6
Lumber and wood products	11.7	11.7	11.7	- .4	- .7
Furniture and fixtures	12.8	13.3	13.5	- 4.1	- 5.2
Household furniture	5.7	5.8	6.0	- 2.0	- 4.7
Stone, clay, and glass products	50.2	50.2	54.4	- .1	- 7.7
Glass and glassware, pressed or blown	14.1	13.7	14.4	2.9	- 1.6
Structural clay products	4.5	4.5	5.0	- .4	- 11.0
Pottery and related products	5.0	5.6	5.9	- 10.1	- 15.0
Primary metal industries	103.1	100.2	122.7	2.9	- 16.0
Blast furnace and basic steel products	50.9	49.1	65.4	3.6	- 22.2
Iron and steel foundries	20.9	20.7	25.0	1.3	- 16.2
Nonferrous rolling and drawing	17.7	17.0	16.9	3.7	4.4
Nonferrous foundries	8.2	7.9	9.0	3.5	- 8.7
Fabricated metal products	130.0	128.3	140.8	1.3	- 7.7
Cutlery, hand tools, and hardware	10.9	10.4	11.5	5.5	- 4.9
Plumbing and heating, except electric	4.4	4.5	4.7	- 1.6	- 6.6
Fabricated structural metal products	30.1	30.4	32.6	- .8	- 7.7
Screw machine products, bolts, etc.	8.7	8.5	10.0	2.1	- 12.9
Metal forgings and stampings	37.2	35.7	39.2	4.4	- 4.9
Machinery, except electrical	161.7	163.2	192.5	- .9	- 16.0
Construction and related machinery	17.2	17.6	23.9	- 2.2	- 27.9
Metalworking machinery	40.9	41.9	51.6	- 2.4	- 20.8
Special industry machinery	17.6	17.7	19.6	- .6	- 10.2
General industrial machinery	32.0	32.1	37.9	- .3	- 15.6
Electric and electronic equipment	88.9	89.5	96.6	- .7	- 8.0
Electrical industrial apparatus	19.1	18.9	23.1	1.5	- 17.2
Household appliances	15.2	14.9	15.6	2.0	- 2.5
Electric lighting and wiring equipment	17.9	17.8	19.0	.6	- 5.9
Communication equipment	10.4	10.4	10.8	- .2	- 4.2
Transportation equipment	126.3	125.1	118.3	1.0	6.8
Motor vehicles and equipment	82.0	80.8	74.5	1.5	10.0
Aircraft and parts	36.2	36.2	34.8	- .1	4.1
Instruments and related products	19.5	19.5	20.4	.2	- 4.1
Measuring and controlling devices	11.7	11.8	12.5	- .4	- 6.0
Nondurable Goods[f]	340.9	339.2	350.0	.5	- 2.6
Food and kindred products	64.3	63.9	65.1	.6	- 1.2
Meat products	10.6	10.0	11.0	6.1	- 3.3
Dairy products	10.8	10.8	10.7	- .5	.2
Bakery products	9.9	9.9	10.3	- .6	- 3.8
Beverages	10.5	10.6	10.4	- .8	.6
Textile mill products	4.1	4.1	4.4	1.3	- 7.3
Apparel and other textile products	16.5	16.4	16.7	.6	- 1.0
Paper and allied products	34.8	34.8	36.7	- .1	- 5.3
Paper mills, except building paper	8.8	8.8	9.4	.2	- 6.4
Misc. converted paper products	11.2	11.2	11.9	.2	- 5.9
Paperboard containers and boxes	11.6	11.6	12.0	- .5	- 3.4
Printing and publishing	61.7	61.6	64.9	.1	- 4.9
Newspapers	18.3	18.4	19.5	- .6	- 6.2
Commercial printing	22.1	22.1	24.1	.0	- 8.3
Chemicals and allied products	64.7	65.0	65.9	- .5	- 1.8
Industrial inorganic chemicals	12.2	12.3	12.4	- .5	- 1.6
Plastics materials and synthetics	9.1	9.1	9.2	- .1	- 1.4
Petroleum and coal products	9.5	9.5	9.1	- .6	4.3
Rubber and misc. plastics products	79.5	78.0	81.7	1.8	- 2.8
Tires and inner tubes	20.8	20.8	23.0	- .3	- 9.9
Miscellaneous plastics products	39.9	39.0	39.6	2.4	.9
Leather and leather products	5.7	5.7	5.4	- .5	5.4

See footnotes at end of table.

BEST AVAILABLE COPY

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
FEBRUARY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1983[b]	January 1983[c]	February 1982[c]	Feb. 1983[b]	Jan. 1983[c]	Feb. 1982[c]	Feb. 1983[b]	Jan. 1983[c]	Feb. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$418.54	$415.09	$395.79	40.4	40.3	40.1	$10.36	$10.30	$ 9.87
Durable Goods[d]	432.95	427.99	405.60	40.5	40.3	40.0	10.69	10.62	10.14
Lumber and wood products	298.34	296.25	275.99	40.1	39.5	38.6	7.44	7.50	7.15
Furniture and fixtures	305.34	304.57	286.44	39.5	38.7	38.5	7.73	7.87	7.44
Household furniture	267.93	269.37	244.65	39.0	38.1	36.9	6.87	7.07	6.63
Stone, clay, and glass products	379.45	385.01	361.00	39.9	40.4	40.2	9.51	9.53	8.98
Glass and glassware, pressed or blown	396.76	398.97	368.24	39.4	39.0	38.6	10.07	10.23	9.54
Structural clay products	271.13	279.58	277.70	38.9	39.6	40.6	6.97	7.06	6.84
Pottery and related products	305.51	317.25	291.85	36.5	37.5	38.3	8.37	8.46	7.62
Primary metal industries	495.57	486.16	479.97	39.3	38.8	39.7	12.61	12.53	12.09
Blast furnace and basic steel products	515.00	503.89	518.90	37.4	36.7	39.4	13.77	13.73	13.17
Iron and steel foundries	480.26	475.47	442.60	40.7	40.5	40.2	11.80	11.74	11.01
Nonferrous rolling and drawing	512.53	498.98	463.97	41.2	40.7	38.6	12.44	12.26	12.02
Nonferrous foundries	380.05	382.22	349.79	41.4	41.5	41.2	9.18	9.21	8.49
Fabricated metal products	433.78	427.00	387.89	41.0	40.9	39.5	10.58	10.44	9.82
Cutlery, hand tools, and hardware	431.64	400.81	394.18	39.6	38.1	40.1	10.90	10.52	9.83
Plumbing and heating, except electric	344.31	343.54	321.53	38.6	38.6	37.3	8.92	8.90	8.62
Fabricated structural metal products	407.63	406.13	355.94	41.3	41.4	39.2	9.87	9.81	9.08
Screw machine products, bolts, etc.	358.68	369.47	337.66	39.2	39.6	39.4	9.15	9.33	8.57
Metal forgings and stampings	509.54	502.90	453.82	41.8	41.7	39.6	12.19	12.06	11.46
Machinery, except electrical	405.78	401.37	391.55	39.9	39.7	40.2	10.17	10.11	9.74
Construction and related machinery	376.38	379.71	407.43	36.9	37.3	40.3	10.20	10.18	10.11
Metalworking machinery	399.91	393.90	382.76	39.4	39.0	39.5	10.15	10.10	9.69
Special industry machinery	394.56	394.28	375.50	41.1	40.9	41.4	9.60	9.64	9.07
General industrial machinery	402.51	397.55	390.04	39.5	39.4	39.8	10.19	10.09	9.80
Electric and electronic equipment	380.69	380.09	365.82	40.2	39.8	40.2	9.47	9.55	9.10
Electrical industrial apparatus	356.32	348.67	354.82	38.9	38.4	39.6	9.16	9.08	8.96
Household appliances	400.58	400.58	360.21	40.3	40.3	38.9	9.94	9.94	9.26
Electric lighting and wiring equipment	376.41	375.97	354.50	41.5	41.0	40.7	9.07	9.17	8.71
Communication equipment	419.58	411.03	434.92	40.5	40.1	41.9	10.36	10.25	10.38
Transportation equipment	526.06	517.33	476.49	42.7	42.3	40.9	12.32	12.23	11.65
Motor vehicles and equipment	548.21	537.17	494.10	43.2	42.7	40.7	12.69	12.58	12.14
Aircraft and parts	481.95	472.99	440.18	41.8	41.6	41.1	11.53	11.37	10.71
Instruments and related products	293.57	292.08	279.50	39.3	39.1	39.2	7.47	7.47	7.13
Measuring and controlling devices	292.82	289.38	281.39	39.2	39.0	39.3	7.47	7.42	7.16
Nondurable Goods[e]	386.32	387.03	373.30	40.2	40.4	40.4	9.61	9.58	9.24
Food and kindred products	383.11	391.68	376.28	40.2	41.1	40.9	9.53	9.53	9.20
Meat products	378.84	402.12	432.90	38.5	40.7	42.4	9.84	9.88	10.21
Dairy products	379.74	384.68	367.64	42.1	42.6	43.1	9.02	9.03	8.53
Bakery products	392.83	394.02	361.68	39.6	39.6	39.1	9.92	9.95	9.25
Beverages	334.78	338.45	320.73	38.0	38.2	37.6	8.81	8.86	8.53
Textile mill products	278.56	274.31	258.84	39.4	39.3	39.1	7.07	6.98	6.62
Apparel and other textile products	220.89	219.56	216.17	35.8	35.7	37.4	6.17	6.15	5.78
Paper and allied products	406.59	404.78	379.14	43.3	43.2	42.6	9.39	9.37	8.90
Paper mills, except building paper	496.48	503.15	478.06	46.4	47.2	46.1	10.70	10.66	10.37
Misc. converted paper products	365.03	364.17	332.52	42.2	42.1	40.7	8.65	8.65	8.17
Paperboard containers and boxes	364.79	360.04	341.96	41.5	41.1	41.2	8.79	8.76	8.30
Printing and publishing	367.54	370.02	365.00	37.2	37.3	38.3	9.88	9.92	9.53
Newspapers	312.94	308.84	318.53	31.2	30.7	31.6	10.03	10.06	10.08
Commercial printing	371.95	380.09	390.17	37.8	38.2	40.1	9.84	9.95	9.73
Chemicals and allied products	434.36	435.42	401.13	40.9	41.0	40.6	10.62	10.62	9.88
Industrial inorganic chemicals	463.80	461.55	424.56	41.3	41.1	41.1	11.23	11.23	10.33
Plastics materials and synthetics	465.98	473.67	439.21	42.4	43.1	42.6	10.99	10.99	10.31
Petroleum and coal products	594.18	565.40	588.23	42.2	41.3	43.8	14.08	13.69	13.43
Rubber and misc. plastics products	395.78	392.22	382.94	41.4	41.2	41.0	9.56	9.52	9.34
Tires and inner tubes	526.44	533.20	551.60	42.8	43.0	44.7	12.30	12.40	12.34
Miscellaneous plastics products	380.26	372.71	341.91	40.8	40.6	39.3	9.32	9.18	8.70
Leather and leather products	197.29	218.83	171.22	36.2	39.5	34.8	5.45	5.54	4.92

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
FEBRUARY 1983 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	February 1983[b]	January 1983[c]	February 1982[c]	January 1983	February 1982
NONMANUFACTURING	2958.9	2960.6	2981.3	- .1	- .8
MINING	28.2	28.6	30.9	- 1.4	- 8.8
Bituminous coal and lignite mining	11.5	11.7	13.9	- 1.6	- 17.2
CONSTRUCTION	108.8	112.8	116.3	- 3.5	- 6.4
General building contractors	27.1	28.4	27.8	- 4.4	- 2.6
Heavy construction contractors	14.4	15.0	18.4	- 3.9	- 21.4
TRANSPORTATION AND PUBLIC UTILITIES	194.6	195.5	206.8	- .4	- 5.9
Railroad transportation	19.3	19.9	23.8	- 3.0	- 19.1
Transportation, except railroads	82.7	82.7	86.3	.1	- 4.2
Trucking and warehousing	59.6	59.2	64.0	.8	- 6.8
Communication, electric, gas services	92.6	92.9	96.6	- .3	- 4.1
Communication	52.1	52.2	55.5	- .2	- 6.0
Electric, gas, and sanitary services	40.5	40.7	41.1	- .5	- 1.5
WHOLESALE TRADE	225.2	226.3	228.6	- .5	- 1.5
Wholesale trade-durable goods	143.0	143.6	146.5	- .5	- 2.4
Motor vehicles & automotive equipment	20.5	20.5	20.5	- .4	.0
Electrical goods	18.7	18.8	19.3	- .3	- 2.9
Machinery, equipment, and supplies	61.6	61.7	62.4	- .2	- 1.2
Wholesale trade-nondurable goods	82.2	82.7	82.1	- .5	.2
Groceries and related products	25.2	25.4	24.8	- .9	1.4
RETAIL TRADE	674.8	687.3	683.1	- 1.8	- 1.2
General merchandise stores	107.6	115.3	113.2	- 6.7	- 4.9
Department stores	98.3	105.8	103.4	- 7.1	- 5.0
Food stores	115.5	116.6	115.0	- .9	.4
Automotive dealers & service stations	73.4	73.9	74.6	- .7	- 1.7
Apparel and accessory stores	31.5	32.5	32.6	- 3.1	- 3.4
FINANCE, INSURANCE, AND REAL ESTATE	205.3	205.8	204.1	- .2	.6
Banking	58.3	58.5	59.3	- .4	- 1.7
Credit agencies other than banks	30.1	30.0	29.9	.1	.7
Insurance carriers	59.4	59.4	59.1	- .1	.6
SERVICES	853.3	847.0	838.1	.7	1.8
Hotels and other lodging places	27.7	27.6	28.3	.5	- 2.0
Laundry, cleaning, & garment services	16.0	16.1	16.5	- .9	- 3.4
Business services	118.8	118.5	119.0	.3	- .2
Health services	319.1	318.7	305.8	.1	4.3
Hospitals	175.6	175.3	170.5	.2	3.0
GOVERNMENT	668.6	657.3	673.5	1.7	- .7
Federal government	88.1	88.4	88.5	- .3	- .5
State government	145.9	141.0	145.3	3.5	.5
State government, except education	70.8	70.9	71.4	- .2	- .8
State government education[i]	75.1	70.1	73.9	7.2	1.6
Local government	434.6	428.0	439.7	1.5	- 1.2
Local government, except education	180.5	180.5	180.8	.0	- .2
Local government education	254.1	247.5	258.9	2.7	- 1.8

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
FEBRUARY 1983 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1983[b]	January 1983[c]	February 1982[c]	Feb. 1983[b]	Jan. 1983[c]	Feb. 1982[c]	Feb. 1983[b]	Jan. 1983[c]	Feb. 1982[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$455.33	$463.32	$449.08	43.2	44.0	43.6	$10.54	$10.53	$10.30
Bituminous coal and lignite mining	552.93	562.89	537.54	42.5	43.1	42.9	13.01	13.06	12.53
CONSTRUCTION	555.37	553.89	532.04	37.0	37.0	37.6	15.01	14.97	14.15
General building contractors	503.78	495.22	455.02	36.4	36.2	35.8	13.84	13.68	12.71
Heavy construction contractors	548.72	552.83	578.36	38.0	38.1	41.4	14.44	14.51	13.97
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	461.53	451.05	459.27	36.6	36.2	37.8	12.61	12.46	12.15
Communication, electric, gas services	443.05	444.89	419.18	39.7	39.9	40.5	11.16	11.15	10.35
Communication	445.17	443.98	407.72	39.5	39.5	39.7	11.27	11.24	10.27
Electric, gas, and sanitary services	440.40	446.02	434.72	40.0	40.4	41.6	11.01	11.04	10.45
WHOLESALE TRADE	318.78	319.61	304.55	38.5	38.6	38.6	8.28	8.28	7.89
Wholesale trade-durable goods	311.92	314.34	297.22	38.7	39.0	38.6	8.06	8.06	7.70
Motor vehicles & automotive equipment	270.11	273.35	249.91	36.9	37.6	37.3	7.32	7.27	6.70
Electrical goods	257.18	255.72	255.00	37.6	36.9	37.5	6.84	6.93	6.80
Machinery, equipment, and supplies	348.39	346.81	323.79	39.5	39.5	39.2	8.82	8.78	8.26
Wholesale trade-nondurable goods	331.19	329.46	317.18	38.2	38.0	38.4	8.67	8.67	8.26
Groceries and related products	362.88	351.83	350.10	40.5	39.8	40.9	8.96	8.84	8.56
RETAIL TRADE[f]	153.08	154.41	147.44	28.4	28.7	28.3	5.39	5.38	5.21
General merchandise stores	155.39	155.76	147.11	29.1	29.5	28.4	5.34	5.28	5.18
Department stores	158.56	158.95	148.58	29.2	29.6	28.3	5.43	5.37	5.25
Food stores	223.19	221.96	214.68	30.7	30.7	30.8	7.27	7.23	6.97
Automotive dealers & service stations	195.71	198.55	193.94	35.2	36.1	36.8	5.56	5.50	5.27
Apparel and accessory stores	112.23	113.45	111.57	25.8	26.2	26.5	4.35	4.33	4.21
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	213.75	212.43	195.25	....	....	....	....	....	....
Credit agencies other than banks	213.93	211.08	199.66	....	....	....	....	....	....
Insurance carriers	285.12	283.11	265.51	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	276.58	273.71	253.34	34.4	34.3	33.6	8.04	7.98	7.54
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
FEBRUARY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	February 1983[b]	January 1983[c]	February 1982[c]	January 1983	February 1982
TOTAL	245.4	243.4	250.6	.8	- 2.1
MANUFACTURING	66.8	66.2	71.0	1.0	- 6.0
Durable Goods[e]	33.4	32.8	35.4	1.8	- 5.8
Stone, clay, and glass products	1.7	1.7	1.6	- 2.2	4.5
Fabricated metal products	12.7	12.2	12.8	4.3	- .7
Machinery, except electrical	8.7	8.7	10.3	- .3	- 15.5
Special industry machinery	1.5	1.6	2.2	- 1.8	- 28.8
Nondurable Goods[f]	33.4	33.4	35.6	.1	- 6.2
Food and kindred products	2.5	2.5	2.7	- 1.0	- 6.6
Chemicals and allied products	3.2	3.2	3.2	.2	- 1.8
Rubber and misc. plastics products	22.8	22.8	24.8	.2	- 7.8
Tires and inner tubes	16.7	16.7	19.0	- .3	- 12.0
NONMANUFACTURING[g]	178.6	177.2	179.5	.7	- .5
CONSTRUCTION	5.5	5.8	5.7	- 5.0	- 3.5
TRANSPORTATION AND PUBLIC UTILITIES	12.6	12.5	13.4	.5	- 6.6
Communication, electric, gas services	5.5	5.5	5.6	- .1	- 2.0
WHOLESALE TRADE	12.5	12.5	12.6	- .1	- .7
RETAIL TRADE	44.4	44.9	43.8	- 1.3	1.3
FINANCE, INSURANCE, AND REAL ESTATE	9.2	9.3	9.3	- .3	- .4
SERVICES	51.0	50.8	50.9	.4	.1
GOVERNMENT	42.8	40.8	43.2	4.8	- .9
State government (includes education)	14.3	12.6	14.0	13.4	2.0
Local government (includes education)	26.4	26.2	27.1	1.1	- 2.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
FEBRUARY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1983[b]	January 1983[c]	February 1982[c]	Feb. 1983[b]	Jan. 1983[c]	Feb. 1982[c]	Feb. 1983[b]	Jan. 1983[c]	Feb. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$430.78	$433.93	$406.43	42.4	42.5	41.6	$10.16	$10.21	$ 9.77
Durable Goods[d]	436.29	434.69	396.45	42.9	42.7	41.6	10.17	10.18	9.53
Stone, clay, and glass products	393.88	373.77	396.44	43.0	41.3	42.4	9.16	9.05	9.35
Fabricated metal products	459.56	464.38	398.45	42.2	42.8	40.7	10.89	10.85	9.79
Machinery, except electrical	424.91	424.95	387.89	44.4	43.9	42.3	9.57	9.68	9.17
Special industry machinery	375.71	373.97	353.12	39.8	39.7	41.3	9.44	9.42	8.55
Nondurable Goods[e]	422.24	433.15	421.34	41.6	42.3	41.8	10.15	10.24	10.08
Food and kindred products	420.60	424.34	406.79	42.7	43.3	43.6	9.85	9.80	9.33
Chemicals and allied products	456.35	447.12	385.12	41.6	41.4	40.2	10.97	10.80	9.58
Rubber and misc. plastics products	430.68	440.58	454.31	42.1	42.9	42.9	10.23	10.27	10.59
Tires and inner tubes	549.53	554.26	583.49	43.1	43.2	45.8	12.75	12.83	12.74
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	539.45	566.63	499.32	36.4	37.6	36.0	14.82	15.07	13.87
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	450.47	451.20	417.11	39.9	40.0	40.9	11.29	11.28	10.35
WHOLESALE TRADE	289.14	287.25	282.59	38.5	38.3	38.5	7.51	7.50	7.34
RETAIL TRADE[f]	170.23	169.94	163.54	29.0	29.2	29.1	5.87	5.82	5.62
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
FEBRUARY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	February 1983[b]	January 1983[c]	February 1982[c]	January 1983	February 1982
TOTAL	144.5	144.5	148.8	.0	- 2.9
MANUFACTURING	45.1	45.0	50.1	.4	- 9.8
Durable Goods[e]	34.1	34.1	39.4	- .1	- 13.5
Stone, clay, and glass products	2.0	1.9	1.9	5.2	7.2
Primary metal industries	10.2	10.2	12.4	.1	- 18.3
Fabricated metal products	7.8	7.9	9.0	- .4	- 13.3
Fabricated structural metal products	2.3	2.4	3.1	- 3.2	- 24.3
Metal forgings and stampings	2.2	2.2	2.5	1.9	- 10.3
Nondurable Goods[f]	11.0	10.8	10.6	1.7	3.7
Food and kindred products	4.1	3.9	3.8	4.7	7.7
Rubber and misc. plastics products	2.6	2.6	2.4	.5	8.6
NONMANUFACTURING[g]	99.3	99.5	98.7	- .2	.6
CONSTRUCTION	3.5	3.7	3.6	- 5.8	- 3.2
TRANSPORTATION AND PUBLIC UTILITIES	6.0	6.0	6.5	- 1.1	- 8.0
Communication, electric, gas services	2.9	2.9	3.0	- .3	- 3.6
WHOLESALE TRADE	7.7	7.7	7.6	- .5	.7
RETAIL TRADE	25.2	25.6	25.1	- 1.4	.7
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.4	6.3	- .7	1.4
SERVICES	30.7	30.5	29.6	.9	3.7
GOVERNMENT	18.5	18.2	18.6	1.7	- .7
Local government (includes education)	15.6	15.3	15.5	2.0	1.0

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
FEBRUARY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1983[b]	January 1983[c]	February 1982[c]	Feb. 1983[b]	Jan. 1983[c]	Feb. 1982[c]	Feb. 1983[b]	Jan. 1983[c]	Feb. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$407.33	$408.67	$394.97	38.5	38.7	39.3	$10.58	$10.56	$10.05
Durable Goods[d]	419.33	422.14	400.53	38.4	38.8	39.0	10.92	10.88	10.27
Stone, clay, and glass products	272.40	256.76	274.48	40.0	39.2	41.4	6.81	6.55	6.63
Primary metal industries	460.08	467.19	448.59	36.0	36.7	36.8	12.78	12.73	12.19
Fabricated metal products	466.02	451.60	409.62	40.7	40.0	39.5	11.45	11.29	10.37
Fabricated structural metal products	426.92	401.19	387.20	40.2	38.1	40.0	10.62	10.53	9.68
Metal forgings and stampings	541.93	526.10	489.24	40.9	40.5	40.4	13.25	12.99	12.11
Nondurable Goods[e]	368.77	362.70	372.60	38.9	38.3	40.5	9.48	9.47	9.20
Food and kindred products	416.11	417.01	437.93	38.6	38.9	40.7	10.78	10.72	10.76
Rubber and misc. plastics products	371.60	371.60	380.07	41.8	41.8	45.3	8.89	8.89	8.39
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	510.44	532.40	491.32	34.7	35.9	35.5	14.71	14.83	13.84
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	456.20	458.54	433.46	40.3	40.4	41.4	11.32	11.35	10.47
WHOLESALE TRADE	298.02	300.03	289.17	36.3	36.5	38.2	8.21	8.22	7.57
RETAIL TRADE[f]	150.44	152.30	143.20	28.6	28.9	28.3	5.26	5.27	5.06
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
FEBRUARY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	February 1983[b]	January 1983[c]	February 1982[c]	January 1983	February 1982
TOTAL	559.4	561.1	566.2	- .3	- 1.2
MANUFACTURING	142.8	143.8	146.5	- .7	- 2.5
Durable Goods[e]	78.3	78.7	79.9	- .5	- 1.9
Furniture and fixtures	2.1	2.2	2.2	- 6.5	- 4.2
Primary metal industries	1.7	1.8	2.4	- 7.3	- 29.6
Fabricated metal products	12.1	12.1	13.2	- .3	- 8.4
Fabricated structural metal products	3.8	3.8	4.6	- .6	- 17.2
Machinery, except electrical	21.6	21.9	24.4	- 1.4	- 11.3
Metalworking machinery	10.6	10.7	12.1	- 1.3	- 12.8
General industrial machinery	3.4	3.5	4.0	- .9	- 15.4
Electric and electronic equipment	7.5	7.5	8.4	.4	- 10.1
Transportation equipment	23.5	23.7	20.0	- .9	17.6
Motor vehicles and equipment	8.9	9.0	5.6	- 1.2	59.5
Nondurable Goods[f]	64.6	65.1	66.7	- .9	- 3.2
Food and kindred products	14.1	14.4	15.7	- 2.0	- 10.4
Meat products	1.9[h]	1.9[h]	2.5	- .8	- 23.0
Bakery products	2.4	2.3	2.3	.9	1.3
Beverages	4.2	4.4	4.3	- 4.1	- 2.8
Apparel and other textile products	3.6	3.7	3.6	- 2.5	- .8
Paper and allied products	5.7	5.9	6.1	- 4.2	- 7.1
Printing and publishing	11.4	11.3	11.7	.9	- 2.7
Chemicals and allied products	21.8	21.9	22.0	- .5	- .8
Rubber and misc. plastics products	4.3	4.2	4.2	1.5	2.5
NONMANUFACTURING[g]	416.5	417.3	419.7	- .2	- .8
CONSTRUCTION	16.1	16.6	18.1	- 2.8	- 11.1
TRANSPORTATION AND PUBLIC UTILITIES	31.0	31.0	32.4	.0	- 4.3
Communication, electric, gas services	14.4	14.4	14.6	- .1	- 1.4
WHOLESALE TRADE	36.6	36.8	37.2	- .4	- 1.7
RETAIL TRADE	97.7	99.3	97.7	- 1.7	- .1
FINANCE, INSURANCE, AND REAL ESTATE	[illegible].1	32.1	32.0	.0	.3
Banking	7.2	7.3	7.4	- .1	- 1.9
Insurance carriers	11.4	11.4	11.3	.0	.7
SERVICES	122.7	122.1	120.0	.5	2.3
GOVERNMENT	79.9	79.0	82.0	1.1	- 2.6
Federal government	12.6	12.2	12.8	3.1	- 1.5
State government (includes education)	18.6	18.5	18.6	.7	.1
Local government	48.7	48.3	50.6	.8	- 3.9
Local government, except education	21.0	21.2	21.1	- .8	- .5
Local government education	27.7	27.1	29.5	2.1	- 6.3

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
FEBRUARY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1983[b]	January 1983[c]	February 1982[c]	Feb. 1983[b]	Jan. 1983[c]	Feb. 1982[c]	Feb. 1983[b]	Jan. 1983[c]	Feb. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$402.57	$397.94	$368.15	40.5	40.4	39.8	$ 9.94	$ 9.85	$ 9.25
Durable Goods[d]	391.31	383.44	347.70	40.3	39.9	39.2	9.71	9.61	8.87
Furniture and fixtures	297.22	280.81	250.62	38.7	36.9	35.2	7.68	7.61	7.12
Primary metal industries	397.19	387.25	394.39	37.4	37.2	39.4	10.62	10.41	10.01
Fabricated metal products	384.37	382.75	334.63	42.1	42.2	38.2	9.13	9.07	8.76
Fabricated structural metal products	336.61	335.77	289.18	41.0	41.3	38.0	8.21	8.13	7.61
Machinery, except electrical	345.59	341.72	327.76	38.7	38.7	38.2	8.93	8.83	8.58
Metalworking machinery	375.75	371.76	346.69	37.5	37.4	37.0	10.02	9.94	9.37
General industrial machinery	327.81	343.15	316.68	39.4	40.9	38.2	8.32	8.39	8.29
Electric and electronic equipment	300.65	296.32	279.94	39.3	39.3	38.4	7.65	7.54	7.29
Transportation equipment	534.52	510.79	478.92	41.5	40.7	41.9	12.88	12.55	11.43
Motor vehicles and equipment	589.22	560.52	559.34	41.7	40.5	42.6	14.13	13.84	13.13
Nondurable Goods[e]	414.73	413.50	390.02	40.7	40.9	40.5	10.19	10.11	9.63
Food and kindred products	460.02	463.70	431.26	41.0	41.7	40.8	11.22	11.12	10.57
Meat products	369.24	396.94	458.47	36.2	38.5	42.1	10.20	10.31	10.89
Bakery products	414.92	425.63	370.26	41.0	42.1	39.6	10.12	10.11	9.35
Beverages	419.18	421.07	396.06	40.5	41.0	41.0	10.35	10.27	9.66
Apparel and other textile products	210.04	212.65	217.56	35.3	35.8	37.0	5.95	5.94	5.88
Paper and allied products	365.25	350.20	339.00	41.6	41.2	41.8	8.78	8.50	8.11
Printing and publishing	405.72	395.65	378.07	39.2	38.6	39.3	10.35	10.25	9.62
Chemicals and allied products	474.86	475.69	440.13	41.4	41.4	41.6	11.47	11.49	10.58
Rubber and misc. plastics products	344.71	340.52	307.34	43.8	43.6	40.6	7.87	7.81	7.57
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	536.32	530.71	610.30	37.4	37.4	42.5	14.34	14.19	14.36
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services[h]	409.93	413.51	377.91	38.6	38.9	38.8	10.62	10.63	9.74
WHOLESALE TRADE	321.02	322.25	301.46	38.4	38.5	38.5	8.36	8.37	7.83
RETAIL TRADE[f]	155.76	157.34	150.31	29.5	29.8	29.3	5.28	5.28	5.13
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	210.77	210.80	196.50	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
FEBRUARY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	February 1983[b]	January 1983[c]	February 1982[c]	January 1983	February 1982
TOTAL	817.9	815.6	847.2	.3	- 3.5
MANUFACTURING	211.1	210.3	233.1	.4	- 9.4
Durable Goods[e]	147.4	147.0	168.4	.2	- 12.5
Furniture and fixtures	1.9	1.9	2.1	1.8	- 9.2
Primary metal industries	24.2	23.8	27.7	1.6	- 12.6
Blast furnace and basic steel products	12.2	11.6	14.6	4.7	- 16.4
Iron and steel foundries	6.0	6.2	6.6	- 2.4	- 8.3
Nonferrous foundries	2.5	2.5	2.8	2.1	- 9.2
Fabricated metal products	32.4	32.5	35.4	- .4	- 8.5
Fabricated structural metal products	3.7	3.8	4.0	- 1.1	- 6.7
Screw machine products, bolts, etc.	4.8	4.7	5.5	1.5	- 12.9
Metal forgings and stampings	11.1	11.3	12.2	- 1.5	- 9.3
Machinery, except electrical	32.0	32.6	43.3	- 1.7	- 25.9
Construction and related machinery	4.8[h]	4.8[h]	7.9	.2	- 39.2
Metalworking machinery	10.8	11.1	15.1	- 2.9	- 28.3
Special industry machinery	3.2	3.3	3.7	- 2.1	- 13.4
General industrial machinery	2.7	2.8	3.8	- 2.2	- 27.5
Electric and electronic equipment	23.2	23.2	24.4	.1	- 4.8
Electrical industrial apparatus	8.1	8.1	8.9	.3	- 9.3
Transportation equipment	20.3	19.8	21.3	2.5	- 4.8
Motor vehicles and equipment	14.0	13.4	14.3	4.7	- 1.9
Instruments and related products	5.7	5.7	6.0	- .1	- 5.1
Nondurable Goods[f]	63.8	63.3	64.7	.7	- 1.5
Food and kindred products	7.8	7.7	7.9	.7	- .9
Bakery products	1.7	1.7	1.8	1.1	- 2.1
Beverages	1.6	1.6	1.6	- .4	- .3
Apparel and other textile products	5.5	5.4	5.5	1.5	- 1.6
Paper and allied products	4.9	5.0	5.0	- 1.1	- 1.5
Printing and publishing	15.0	14.9	15.4	.7	- 3.0
Chemicals and allied products	14.8	14.7	15.4	.3	- 4.2
Industrial inorganic chemicals	3.7	3.7	3.9	- .1	- 4.8
Rubber and misc. plastics products	10.2	9.9	10.1	2.7	1.2
NONMANUFACTURING[g]	606.8	605.3	614.1	.2	- 1.2
CONSTRUCTION	21.4	21.8	22.7	- 2.1	- 5.8
TRANSPORTATION AND PUBLIC UTILITIES	40.6	41.0	42.8	- 1.1	- 5.2
Communication, electric, gas services	19.8	19.8	20.3	- .1	- 2.8
WHOLESALE TRADE	59.9	60.1	61.8	- .3	- 3.1
RETAIL TRADE	128.4	130.7	130.9	- 1.7	- 1.9
FINANCE, INSURANCE, AND REAL ESTATE	47.6	47.7	48.0	- .3	- 1.0
Banking	13.2	13.2	13.5	- .5	- 2.6
Insurance carriers	11.9	12.0	12.1	- .2	- 1.1
SERVICES	191.3	189.6	188.9	.9	1.3
GOVERNMENT	116.4	113.1	117.5	2.9	- 1.0
Federal government	19.3	19.3	19.5	- .1	- 1.3
State government (includes education)	8.4	8.1	7.9	2.9	5.7
Local government	88.8	85.7	90.1	3.6	- 1.5
Local government, except education	45.1	44.8	44.9	.9	.6
Local government education	43.7	41.0[h]	45.2	6.5	- 3.5

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
FEBRUARY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1983[b]	January 1983[c]	February 1982[c]	Feb. 1983[b]	Jan. 1983[c]	Feb. 1982[c]	Feb. 1983[b]	Jan. 1983[c]	Feb. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$408.75	$409.54	$396.37	39.8	39.8	40.2	$10.27	$10.29	$ 9.86
Durable Goods[d]	430.52	431.60	412.85	39.9	40.0	40.2	10.79	10.79	10.27
Furniture and fixtures	318.77	307.64	308.73	39.5	38.6	41.0	8.07	7.97	7.53
Primary metal industries	490.92	480.77	470.81	38.9	38.4	39.3	12.62	12.52	11.98
Blast furnace and basic steel products	486.49	480.25	499.14	35.1	34.7	37.9	13.86	13.84	13.17
Iron and steel foundries	589.53	561.38	538.90	43.0	41.4	41.2	13.71	13.56	13.08
Nonferrous foundries	367.00	371.28	323.87	41.8	42.0	39.4	8.78	8.84	8.22
Fabricated metal products	421.14	425.89	398.40	40.3	40.6	40.0	10.45	10.49	9.96
Fabricated structural metal products	321.86	316.54	350.24	38.5	38.0	41.4	8.36	8.33	8.46
Screw machine products, bolts, etc.	366.99	385.66	348.96	39.0	39.8	39.7	9.41	9.69	8.79
Metal forgings and stampings	527.93	533.83	482.80	41.8	42.3	40.1	12.63	12.62	12.04
Machinery, except electrical	406.90	398.35	414.94	39.2	38.6	40.8	10.38	10.32	10.17
Construction and related machinery	412.09	416.60	487.20	36.5	36.9	42.0	11.29	11.29	11.60
Metalworking machinery	414.22	398.32	395.34	39.6	38.3	40.3	10.46	10.40	9.81
Special industry machinery	440.50	438.54	424.54	41.4	41.1	40.9	10.64	10.67	10.38
General industrial machinery	357.95	359.00	399.56	36.6	35.9	40.4	9.78	10.00	9.89
Electric and electronic equipment	359.83	360.36	351.01	38.9	39.0	40.3	9.25	9.24	8.71
Electrical industrial apparatus	338.91	336.86	352.64	35.6	35.2	38.0	9.52	9.57	9.28
Transportation equipment	531.19	552.64	484.26	42.7	44.0	40.9	12.44	12.56	11.84
Motor vehicles and equipment	561.56	593.62	498.13	42.9	44.7	40.4	13.09	13.28	12.33
Instruments and related products	335.20	336.07	321.31	40.0	40.2	41.3	8.38	8.36	7.78
Nondurable Goods[e]	351.05	352.13	345.20	39.4	39.3	40.0	8.91	8.96	8.63
Food and kindred products	364.57	366.40	345.32	39.8	40.0	40.2	9.16	9.16	8.59
Bakery products	371.70	366.10	399.21	38.8	38.7	42.2	9.58	9.46	9.46
Beverages	317.15	319.09	314.57	39.3	39.2	40.8	8.07	8.14	7.71
Apparel and other textile products	255.23	254.51	248.25	37.7	37.1	37.9	6.77	6.86	6.55
Paper and allied products	383.11	378.48	361.88	42.1	41.5	41.5	9.10	9.12	8.72
Printing and publishing	365.56	371.51	370.28	37.0	37.3	37.9	9.88	9.96	9.77
Chemicals and allied products	419.76	421.83	397.23	40.4	40.6	40.7	10.39	10.39	9.76
Industrial inorganic chemicals	411.21	416.59	386.28	39.2	39.6	39.7	10.49	10.52	9.73
Rubber and misc. plastics products	321.03	320.28	326.14	41.0	40.8	42.8	7.83	7.85	7.62
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	638.62	630.94	590.44	37.9	37.4	37.8	16.85	16.87	15.62
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	470.05	479.99	450.25	39.7	40.2	40.6	11.84	11.94	11.09
WHOLESALE TRADE	335.71	337.74	329.55	38.9	39.0	39.0	8.63	8.66	8.45
RETAIL TRADE[f]	165.25	165.84	157.06	28.2	28.3	27.7	5.86	5.86	5.67
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	242.97	244.32	222.49	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
FEBRUARY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	February 1983[b]	January 1983[c]	February 1982[c]	January 1983	February 1982
TOTAL	492.1	491.5	493.1	.1	-.2
MANUFACTURING	85.8	84.7	88.4	1.4	-3.0
Durable Goods[e]	54.2	53.2	56.2	2.0	-3.6
Stone, clay, and glass products	9.0	8.8	9.2	2.5	-2.1
Fabricated metal products	9.3	8.8	9.6	5.8	-2.4
Machinery, except electrical	9.9	9.8	11.2	1.6	-11.1
Electric and electronic equipment	10.1	10.1	11.2	-.7	-10.4
Transportation equipment	7.6	7.4	6.6	2.6	16.1
Nondurable Goods[f]	31.6	31.5	32.2	.3	-1.9
Food and kindred products	9.9	9.8	10.0	.8	-.9
Printing and publishing	8.2	8.2	8.4	1.1	-2.3
Chemicals and allied products	6.0	6.0	6.0	.1	.9
Rubber and misc. plastics products	2.7	2.8	2.9	-1.8	-7.8
NONMANUFACTURING[g]	406.3	406.9	404.7	-.1	.4
CONSTRUCTION	12.2	12.5	13.0	-3.1	-6.2
TRANSPORTATION AND PUBLIC UTILITIES	21.8	21.8	23.3	-.2	-6.3
Communication, electric, gas services	10.7	10.8	11.4	-.4	-6.1
WHOLESALE TRADE	27.0	27.0	26.7	-.2	1.2
RETAIL TRADE	90.1	92.1	90.5	-2.2	-.4
FINANCE, INSURANCE, AND REAL ESTATE	42.2	42.0	40.4	.5	4.5
Banking	8.6	8.6	8.3	-.4	2.8
Insurance carriers	17.7	17.7	17.5	.2	1.2
SERVICES	110.1	109.4	106.8	.6	3.1
GOVERNMENT	102.2	101.2	103.4	1.0	-1.1
Federal government	11.2	11.2	11.5	-.1	-2.3
State government	49.3	48.4	49.4	1.8	-.2
State government, except education	28.7	28.8	29.5	-.3	-2.7
State government education[i]	20.6	19.6	19.9	4.8	3.5
Local government	41.8	41.6	42.6	.4	-1.9
Local government, except education	17.3	17.4	17.2	-.6	.0
Local government education	24.5	24.3	25.3	1.2	-3.2

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
FEBRUARY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1983[b]	January 1983[c]	February 1982[c]	Feb. 1983[b]	Jan. 1983[c]	Feb. 1982[c]	Feb. 1983[b]	Jan. 1983[c]	Feb. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$387.20	$383.84	$360.19	40.0	39.9	39.8	$ 9.68	$ 9.62	$ 9.05
Durable Goods[d]	406.42	403.41	373.20	40.2	40.1	40.0	10.11	10.06	9.33
Stone, clay, and glass products	369.20	366.91	341.72	40.0	39.2	38.7	9.23	9.36	8.83
Fabricated metal products	473.89	466.58	408.33	40.4	41.0	39.3	11.73	11.38	10.39
Machinery, except electrical	384.35	373.86	360.33	40.5	39.9	40.9	9.49	9.37	8.81
Electric and electronic equipment	400.86	392.51	386.16	41.8	41.1	41.3	9.59	9.55	9.35
Transportation equipment	506.43	520.96	442.44	43.1	44.0	41.7	11.75	11.84	10.61
Nondurable Goods[e]	351.35	348.00	333.66	39.7	39.5	39.3	8.85	8.81	8.49
Food and kindred products	347.13	348.53	330.02	40.6	41.1	40.1	8.55	8.48	8.23
Printing and publishing	416.88	415.62	380.65	38.6	38.2	37.8	10.80	10.88	10.07
Chemicals and allied products	396.90	388.97	375.07	40.5	40.1	40.2	9.80	9.70	9.33
Rubber and misc. plastics products	285.42	273.08	298.40	40.2	38.3	40.0	7.10	7.13	7.46
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	482.17	475.44	455.16	36.5	36.1	36.5	13.21	13.17	12.47
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	461.37	465.28	440.51	39.4	39.7	40.6	11.71	11.72	10.85
WHOLESALE TRADE	311.89	311.22	292.60	38.6	39.0	38.5	8.08	7.98	7.60
RETAIL TRADE[f]	155.77	155.27	144.90	28.9	28.7	28.3	5.39	5.41	5.12
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	232.14	225.07	215.46	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
FEBRUARY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	February 1983[b]	January 1983[c]	February 1982[c]	January 1983	February 1982
TOTAL	330.7	330.3	337.6	.1	- 2.0
MANUFACTURING	84.7	84.0	90.8	.9	- 6.7
Durable Goods[e]	59.0	58.5	63.2	1.0	- 6.6
Stone, clay, and glass products	1.9	1.8	1.9	4.9	- .1
Fabricated metal products	6.3	6.3	7.0	.0	- 9.9
Machinery, except electrical	28.3	28.3	30.1	- .2	- 6.1
Metalworking machinery	6.1	6.2	6.8	- .9	- 10.4
Electric and electronic equipment	4.6	4.6	5.4	- .5	- 15.3
Electrical industrial apparatus	2.6	2.6	3.5	.1	- 23.4
Transportation equipment	12.5	12.4	13.1	1.5	- 4.4
Nondurable Goods[f]	25.7	25.5	27.6	.8	- 7.0
Food and kindred products	2.9	2.9	2.9	- 1.7	- 1.6
Paper and allied products	5.2	5.1	5.7	.7	- 8.8
Printing and publishing	7.4	7.4	8.4	.2	- 12.0
Rubber and misc. plastics products	7.0	6.9	7.5	1.7	- 6.8
NONMANUFACTURING[g]	246.0	246.3	246.7	- .1	- .3
CONSTRUCTION	7.5	7.8	7.6	- 4.6	- 2.3
TRANSPORTATION AND PUBLIC UTILITIES	12.1	12.1	12.9	.0	- 6.1
Communication, electric, gas services	5.9	6.0	6.7	- .4	- 12.0
WHOLESALE TRADE	16.4	16.5	16.6	- .5	- 1.1
RETAIL TRADE	53.1	54.0	54.1	- 1.7	- 1.9
FINANCE, INSURANCE, AND REAL ESTATE	13.3	13.4	13.2	- .2	.7
SERVICES	75.3	74.7	73.5	.8	2.4
GOVERNMENT	68.0	67.6	68.5	.7	- .6
Federal government	25.9	26.1	25.8	- .7	.4
State government (includes education)	5.9	5.7	6.0	3.4	- 2.0
Local government	36.3	35.8	36.7	1.3	- 1.1
Local government, except education	12.8	12.8	13.1	- .1	- 2.7
Local government education	23.5	23.0	23.5	2.1	- .3

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
FEBRUARY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1983[b]	January 1983[c]	February 1982[c]	Feb. 1983[b]	Jan. 1983[c]	Feb. 1982[c]	Feb. 1983[b]	Jan. 1983[c]	Feb. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$412.05	$406.40	$392.80	40.2	40.0	40.0	$10.25	$10.16	$ 9.82
Durable Goods[d]	409.24	403.60	392.75	40.2	40.0	40.2	10.18	10.09	9.77
Stone, clay, and glass products	400.25	354.09	366.62	40.8	40.7	40.2	9.81	8.70	9.12
Fabricated metal products	322.48	320.76	301.84	38.9	39.6	38.5	8.29	8.10	7.84
Machinery, except electrical	429.39	420.80	418.55	40.7	40.5	41.4	10.55	10.39	10.11
Metalworking machinery	443.08	438.84	405.60	42.4	42.4	41.6	10.45	10.35	9.75
Electric and electronic equipment	309.94	303.28	306.50	40.2	39.8	41.7	7.71	7.62	7.35
Electrical industrial apparatus	334.11	325.56	329.38	40.4	39.8	41.8	8.27	8.18	7.88
Transportation equipment	495.24	497.71	471.37	40.1	40.3	38.7	12.35	12.35	12.18
Nondurable Goods[e]	419.12	412.80	393.23	40.3	40.0	39.6	10.40	10.32	9.93
Food and kindred products	383.37	384.94	402.96	39.0	39.4	39.7	9.83	9.77	10.15
Paper and allied products	369.18	360.39	339.48	42.0	41.0	41.0	8.79	8.79	8.28
Printing and publishing	376.16	381.84	429.48	36.1	36.4	41.9	10.42	10.49	10.25
Rubber and misc. plastics products	531.72	514.60	446.68	42.0	41.3	37.1	12.66	12.46	12.04
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	520.35	525.16	494.23	36.8	38.0	37.3	14.14	13.82	13.25
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services ..	453.82	454.17	426.22	39.6	39.7	40.4	11.46	11.44	10.55
WHOLESALE TRADE	323.97	323.97	292.58	40.7	40.7	40.3	7.96	7.96	7.26
RETAIL TRADE[f]	148.90	149.63	142.97	28.2	28.5	28.2	5.28	5.25	5.07
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education) ..	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education ...	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
FEBRUARY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	February 1983[b]	January 1983[c]	February 1982[c]	January 1983	February 1982
TOTAL	275.2	277.4	278.7	- .8	- 1.2
MANUFACTURING	65.2	66.4	69.7	- 1.9	- 6.5
Durable Goods[e]	49.7[h]	51.1	54.3	- 2.7	- 8.5
Stone, clay, and glass products	11.2	11.4	12.3	- 1.4	- 8.5
Primary metal industries	3.6	3.5	4.0	1.7	- 11.3
Fabricated metal products	7.1	7.1	7.4	.6	- 4.1
Metal forgings and stampings	3.4	3.2	3.3	3.7	1.1
Machinery, except electrical	5.8	5.9	6.7	- 1.4	- 13.1
General industrial machinery	1.6	1.6	1.9	.2	- 11.9
Transportation equipment	15.9	15.8	16.1	.8	- 1.1
Motor vehicles and equipment	14.7	14.5	14.8	1.0	- .9
Nondurable Goods[f]	15.5	15.4	15.4	.7	.7
Food and kindred products	4.2	4.1	3.8	2.4	10.5
Rubber and misc. plastics products	3.3	3.2	3.1	1.3	4.2
NONMANUFACTURING[g]	210.0	210.9	209.0	- .4	.5
CONSTRUCTION	9.0	9.4	9.8	- 3.7	- 8.3
TRANSPORTATION AND PUBLIC UTILITIES	17.0	16.9	17.6	.4	- 3.5
Communication, electric, gas services	7.6	7.6	7.6	.4	.3
WHOLESALE TRADE	14.2	14.2	14.7	- .4	- 3.6
RETAIL TRADE	47.9	49.0	48.4	- 2.3	- .9
FINANCE, INSURANCE, AND REAL ESTATE	10.8	10.8	10.5	- .1	3.0
SERVICES	63.9	63.8	61.5	.1	3.9
GOVERNMENT	46.9	46.4	46.3	1.1	1.3
State government (includes education)	14.8	14.5	14.9	2.4	- .4
Local government	29.3	29.1	28.7	.5	2.2
Local government, except education	10.9	10.9	10.7	- .2	1.8
Local government education	18.5	18.3	18.0	1.0	2.5

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
FEBRUARY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1983[b]	January 1983[c]	February 1982[c]	Feb. 1983[b]	Jan. 1983[c]	Feb. 1982[c]	Feb. 1983[b]	Jan. 1983[c]	Feb. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$461.48	$460.65	$439.11	41.5	41.5	41.0	$11.12	$11.10	$10.71
Durable Goods[d]	478.72	479.45	452.06	41.7	41.8	40.8	11.48	11.47	11.08
Stone, clay, and glass products	466.58	475.30	457.07	41.4	42.4	42.4	11.27	11.21	10.78
Primary metal industries	435.53	439.95	415.94	41.4	42.1	42.4	10.52	10.45	9.81
Fabricated metal products	456.45	452.15	430.73	42.5	42.1	41.9	10.74	10.74	10.28
Metal forgings and stampings	508.67	510.30	504.82	41.9	42.0	43.0	12.14	12.15	11.74
Machinery, except electrical	398.91	400.03	420.97	38.1	38.8	40.4	10.47	10.31	10.42
General industrial machinery	424.93	426.82	427.10	36.6	36.7	38.1	11.61	11.63	11.21
Transportation equipment	565.47	549.50	507.85	43.1	42.4	39.8	13.12	12.96	12.76
Motor vehicles and equipment	564.59	549.93	507.67	43.0	42.4	39.6	13.13	12.97	12.82
Nondurable Goods[e]	402.93	398.05	391.76	40.7	40.7	41.5	9.90	9.78	9.44
Food and kindred products	430.02	417.54	387.24	42.2	41.3	42.0	10.19	10.11	9.22
Rubber and misc. plastics products	343.71	329.22	342.78	40.2	40.1	41.2	8.55	8.21	8.32
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	631.26	612.47	611.85	37.8	37.3	38.7	16.70	16.42	15.81
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	461.60	454.57	463.01	40.0	39.7	41.6	11.54	11.45	11.13
WHOLESALE TRADE	330.11	335.42	332.82	37.9	37.9	38.7	8.71	8.85	8.60
RETAIL TRADE[f]	154.29	157.87	152.00	27.9	28.6	28.2	5.53	5.52	5.39
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
FEBRUARY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	February 1983[b]	January 1983[c]	February 1982[c]	January 1983	February 1982
TOTAL	176.3	175.6	180.9	.4	- 2.6
MANUFACTURING	50.9	50.0	54.0	1.8	- 5.7
Durable Goods[e]	46.1	45.2	49.1	1.9	- 6.2
Stone, clay, and glass products	1.7	1.7	1.6	.1	6.0
Primary metal industries	21.9	20.9	25.8	4.9	- 15.1
Blast furnace and basic steel products	9.0	8.6	14.0	4.0	- 35.9
Fabricated metal products	8.0	7.8	8.2	1.7	- 2.5
Fabricated structural metal products	2.2	2.4	2.4	- 7.1	- 9.7
Machinery, except electrical	4.0	4.2	5.2	- 4.6	- 23.9
Metalworking machinery	2.0	2.1	2.5	- 3.5	- 17.9
Electric and electronic equipment	2.6	2.7	2.9	- .9	- 10.2
Transportation equipment	6.3	6.1	3.5	2.8	79.7
Nondurable Goods[f]	4.8	4.8	4.9	.3	- .9
NONMANUFACTURING[g]	125.4	125.6	126.9	- .2	- 1.2
CONSTRUCTION	4.1	4.3	4.8	- 4.4	- 14.1
TRANSPORTATION AND PUBLIC UTILITIES	7.6	7.6	8.3	- .5	- 8.6
Communication, electric, gas services	3.2	3.2	3.4	.0	- 5.2
WHOLESALE TRADE	7.8	7.8	8.1	- .7	- 3.5
RETAIL TRADE	33.8	34.5	35.1	- 2.2	- 3.7
FINANCE, INSURANCE, AND REAL ESTATE	7.2	7.2	7.0	.0	1.9
SERVICES	39.5	39.4	37.9	.3	4.1
GOVERNMENT	24.4	23.7	24.8	3.1	- 1.4
Local government (includes education)	18.6	18.4	19.0	1.4	- 1.8

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [i] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
FEBRUARY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	February 1983[b]	January 1983[c]	February 1982[c]	Feb. 1983[b]	Jan. 1983[c]	Feb. 1982[c]	Feb. 1983[b]	Jan. 1983[c]	Feb. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$494.91	$481.20	$459.81	40.7	40.1	39.3	$12.16	$12.00	$11.70
Durable Goods[d]	508.80	493.25	470.40	40.9	40.2	39.2	12.44	12.27	12.00
Stone, clay, and glass products	310.59	311.87	310.08	35.7	35.2	35.3	8.70	8.86	7.89
Primary metal industries	513.87	494.38	506.28	38.9	38.0	38.5	13.21	13.01	13.15
Blast furnace and basic steel products	500.18	484.41	537.82	35.6	34.9	39.2	14.05	13.88	13.72
Fabricated metal products	537.51	535.52	464.86	41.7	42.2	39.8	12.89	12.69	11.68
Fabricated structural metal products	382.23	385.56	334.08	37.4	37.8	36.0	10.22	10.20	9.28
Machinery, except electrical	460.20	434.50	448.06	39.0	37.2	39.2	11.80	11.68	11.43
Metalworking machinery	459.02	456.69	457.33	39.3	38.9	40.4	11.68	11.74	11.32
Electric and electronic equipment	405.88	402.52	364.81	41.8	41.2	40.4	9.71	9.77	9.03
Transportation equipment	608.96	607.90	505.36	48.6	48.4	41.8	12.53	12.56	12.09
Nondurable Goods[e]	340.49	350.10	340.40	38.3	38.9	40.0	8.89	9.00	8.51
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	539.84	497.54	517.45	36.5	33.8	37.2	14.79	14.72	13.91
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	452.33	451.93	414.86	40.1	40.1	40.2	11.28	11.27	10.32
WHOLESALE TRADE	297.64	298.25	325.65	33.9	34.4	39.0	8.78	8.67	8.35
RETAIL TRADE[f]	153.44	155.08	151.01	28.0	28.3	28.6	5.48	5.48	5.28
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.--Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

BEST AVAILABLE COPY

Ohio Labor Market Information
BUREAU OF EMPLOYMENT SERVICES
JOB SERVICE OF OHIO

RICHARD F. CELESTE, *Governor*
DR. ROBERTA STEINBACHER, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
MARCH 1983

Unemployment in Ohio, estimated at 688,000 in March, represented 13.7 percent of the civilian labor force--down from 713,000 (14.5 percent) in February. Total employment advanced 3.0 percent, to 4,339,000. Seasonal gains in nonmanufacturing boosted nonfarm payrolls .5 percent, to 4,035,000.

Factory employment in Ohio totaled 1,059,000 in March, up .2 percent. Motor vehicle manufacturers and basic steel producers recalled several hundred workers. New orders also led to recalls in the beverage industry, while settlement of labor-management disputes partially restored employment in the production of pottery. Lack of orders, however, led to curtailments in meat processing, iron and steel foundries, and metalworking machinery. Employment declines in household appliances, general industrial machinery, and plumbing and heating supplies were attributable to disputes.

Employment in Ohio's nonmanufacturing industries advanced .6 percent from February, to 2,976,000 in March. Increases in services and retailing occurred as many outdoor businesses--amusement parks, drive-ins, refreshment stands--resumed operations following winter shutdowns. Favorable weather also led to an upturn in construction. The increase in government employment was attributable chiefly to hiring among public schools and colleges.

Average weekly earnings of Ohio's factory production workers rose nearly $7 from February to a new all-time high of $426 in March. The average workweek was extended by .4 hours, to 40.8. Stepped-up overtime boosted hours and earnings averages in meat processing, petroleum refining, structural clay products, and motor vehicles. Higher earnings in metals processing industries--notably iron and steel castings, fasteners, and stampings--were also attributable to more overtime. Wage-rate hikes, coupled with overtime increases, lifted earnings in plastic products, and in beverages.

Total unemployment in Ohio increased from 617,000 in March 1982 to 688,000 in March 1983, raising the jobless rate from 12.3 to 13.7 percent. Total employment slipped 1.5 percent from a year ago, as nonfarm payrolls dropped 2.3 percent. Cutbacks in nonelectrical machinery (down nearly 30,000), and primary metals accounted for over one-half of the job loss in manufacturing. Declines in transportation, construction, and retailing lowered nonmanufacturing, although losses were tempered by gains in health services. Factory production workers grossed $30 more per week in March 1983 than in March of last year, as their average workweek increased by nearly one full hour.

For additional Labor Market Information, write
WILLIAM PAPIER, *Director of Research and Statistics*, BUREAU OF EMPLOYMENT SERVICES, COLUMBUS 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Workers on nonfarm payrolls in Akron totaled 247,100 in March, up 1,200 from February. Expansion in nonmanufacturing accounted for most of the gain--seasonal increases occurred in most component industries. Manufacturing advanced slightly, to 67,200 for the month. Hourly earnings of factory production workers rose 14¢, to $10.35 an hour. The average workweek, at 43.3 hours, was .8 hours longer than in February.

Canton.--Nonagricultural establishments in Canton employed 144,800 wage and salary workers in March, up 200 from February. Increases in retail trade, services, and construction boosted nonmanufacturing for the overall gain. Manufacturing decreased 300, however, to 45,100 in March, primarily due to losses in nondurable goods. The workweek and hourly earnings of the average factory production worker, at 38.7 hours and $10.61 per hour, were little changed from the previous month.

Cincinnati.--March nonfarm payroll employment in the Cincinnati area totaled 561,900, up 3,100 from February. Seasonal gains in services and construction raised nonmanufacturing employment. Manufacturing rose 200, to 142,800 in March, as increases in durable goods were partially offset by losses in nondurable goods. Production workers in factories grossed $10.00 per hour, up 7¢ from February. Their average workweek rose .5 hours, to 40.9 hours.

Cleveland.--Nonfarm establishments in Cleveland employed 820,800 wage and salary workers in March, up 4,300 from February. Widespread growth in nonmanufacturing, chiefly in services, construction, and retail trade, accounted for most of the advance. Gains in nondurable-goods industries boosted manufacturing by 400, to 210,900 in March. Hourly earnings of the average production worker, at $10.31, were up 3¢ from February. The average workweek--at 40.2 hours--was .4 hours longer.

Columbus.--Columbus' nonagricultural wage and salary employment totaled 494,000 in March, up 2,000 from February. Manufacturing was unchanged at 85,800, as growth in nondurable goods was offset by a labor-management dispute which idled workers in stone, clay, and glass products. Nonmanufacturing increased due to seasonal expansion in services, construction, and retail trade. The average hourly earnings of factory production workers increased 6¢, to $9.76 an hour. Their average workweek, at 40.3 hours, was .3 hours longer.

Dayton.--Dayton's nonagricultural wage and salary employment rose 1,500 from February, to 332,100 in March. Over two-thirds of the gain was due to seasonal growth in nonmanufacturing. Increases in durable goods lifted manufacturing by 400, to 85,100 for the month. The workweek for the average factory production worker, at 40.8 hours, was up .6 hours from February. Average hourly earnings, at $10.31, were up 8¢ from the previous month.

Toledo.--Nonfarm establishments in Toledo employed 274,100 wage and salary workers in March, down 1,700 from February. The decrease occurred in manufacturing--down 3,000, to 62,600 for the month. Lack of orders led to layoffs in motor vehicles and equipment, while a labor-management dispute depressed employment in nonelectrical machinery. Nonmanufacturing gained seasonally, however, partially offsetting the losses. Earnings of factory production workers fell 7¢, to $11.05 an hour. Average weekly hours, at 41.9, were up .3 hours.

Youngstown-Warren.--March nonfarm wage and salary employment in the Youngstown-Warren area, at 179,400, was 3,200 above February. Recalls in motor vehicles and equipment accounted for the gain of 2,600 in manufacturing, to 53,500 in March. Nonmanufacturing also rose for the month, as services, retail trade, and construction expanded seasonally. Production workers in factories grossed $12.33 per hour for a workweek of 41.1 hours, up 11¢ and .5 hours from February averages.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 4-18-83

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1972	248.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	600.6	895.6	509.8	355.7	293.1	203.1
1981	259.6	156.6	592.2	880.7	506.6	352.5	290.9	198.7
1982	250.8	149.7	575.5	847.5	497.9	337.0	282.2	182.2
1982								
March ...	250.9	148.9	570.6	848.0	494.9	336.8	279.5	183.3
April ...	251.1	150.4	576.1	848.7	496.1	337.0	282.7	181.7
May	254.3	151.2	580.7	854.5	498.3	337.6	286.0	185.9
June	249.5	152.2	584.0	859.3	501.1	338.7	285.7	186.4
July	248.4	151.2	573.5	850.7	493.6	333.9	277.7	182.5
August ..	248.3	150.5	574.2	846.7	494.4	332.2	278.9	178.6
September	253.0	150.3	580.3	846.0	497.3	338.9	285.2	182.4
October .	252.5	148.3	579.0	842.3	503.5	338.1	285.5	180.9
November.	251.7	147.9	576.9	840.5	503.8	335.7	284.6	177.3
December.	250.4	147.3	574.8	837.3	504.0	336.4	282.8	177.8
1983								
January .	243.4	144.5	561.1	815.6	491.5	330.3	277.4	175.6
February.	245.9	144.6	558.8	816.5	492.0	330.6	275.8	176.2
March ...	247.1	144.8	561.9	820.8	494.0	332.1	274.1	179.4
	MANUFACTURING EMPLOYMENT (in thousands)							
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.6	79.9
1980	79.1	55.7	162.4	254.9	96.8	99.4	75.4	70.8
1981	75.7	54.8	157.3	246.8	93.1	97.8	74.6	67.3
1982	68.8	48.2	147.2	224.1	86.7	87.9	68.8	53.4
1982								
March ...	70.6	49.5	148.1	230.9	87.9	89.3	69.6	55.9
April ...	70.1	49.1	147.2	228.5	86.4	88.6	69.4	53.4
May	69.7	48.8	147.5	227.7	86.2	88.4	69.9	55.4
June	69.5	49.5	148.6	227.4	86.6	88.7	70.1	55.3
July	68.1	48.9	146.3	223.5	86.4	88.5	68.1	54.4
August ..	67.9	48.5	147.0	221.1	86.2	86.4	69.8	50.6
September	68.3	47.9	147.9	222.3	86.5	87.6	70.1	52.8
October .	67.4	45.8	147.0	216.1	86.3	85.8	67.4	51.4
November.	66.5	45.2	147.0	213.7	85.7	82.9	66.8	47.6
December.	65.3	44.7	145.0	210.3	84.6	83.4	65.4	48.6
1983								
January .	66.2	45.0	143.8	210.3	84.7	84.0	66.4	50.0
February.	67.1	45.3	142.6	210.5	85.8	84.7	65.5	50.9
March ...	67.2	45.1	142.8	210.9	85.8	85.1	62.6	53.5

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1972	53.5	42.2	110.7	[illegible]	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.7	39.6	103.5	161.8	61.3	64.4	49.2	50.8
1982	37.2	33.7	96.1	142.5	55.6	55.8	45.1	38.5
1982								
March ...	38.6	34.7	96.6	147.2	56.7	57.0	45.6	40.7
April ...	38.4	34.1	95.8	145.7	55.6	56.5	45.5	38.6
May	38.1	34.2	96.5	145.2	55.2	56.3	45.9	40.1
June	37.7	35.1	97.6	145.2	55.7	56.7	46.2	40.3
July	36.4	34.4	95.4	142.0	55.5	56.3	44.3	39.4
August ..	36.2	34.0	95.9	139.9	55.3	54.3	46.0	35.8
September	36.8	33.6	97.0	142.0	55.4	55.6	46.6	37.8
October .	36.2	31.8	96.4	136.6	55.0	54.1	44.2	36.6
November.	35.3	31.4	96.5	135.0	54.3	51.4	43.8	33.5
December.	34.5	30.8	94.5	132.1	53.4	52.1	42.5	34.3
1983								
January .	35.4	31.2	93.3	132.0	53.6	52.6	43.5	35.6
February.	36.2	31.5	92.2	132.4	54.6	53.3	42.7	36.4
March ...	36.4	31.4	92.5	132.9	54.6	53.7	39.9	38.9
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.8
1982	41.0	38.6	40.5	39.9	39.8	40.0	41.1	39.3
1982								
March ...	41.2	38.6	39.9	40.1	39.4	39.5	40.9	39.1
April ...	40.8	38.8	40.2	40.1	39.4	39.8	40.3	38.6
May	41.0	38.8	40.6	40.5	39.7	40.0	41.0	39.3
June	41.5	39.2	41.0	41.0	40.1	41.2	41.8	40.1
July	41.0	36.7	40.4	40.0	39.4	41.1	41.8	39.4
August ..	40.2	38.3	40.7	40.1	39.6	40.3	41.4	37.9
September	41.0	39.1	40.5	39.6	39.8	39.8	41.8	39.5
October .	40.5	38.3	40.2	39.2	39.7	39.3	41.3	39.3
November.	41.2	38.3	41.4	39.2	40.3	39.2	41.3	39.6
December.	41.6	39.1	41.5	39.9	40.5	40.3	41.1	40.3
1983								
January .	42.5	38.7	40.4	39.8	39.9	40.0	41.5	40.1
February.	42.5	38.6	40.4	39.8	40.0	40.2	41.6	40.6
March ...	43.3	38.7	40.9	40.2	40.3	40.8	41.9	41.1

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1972	$ 4.68	$ 4.48	$ 4.15	$ 4.50	$ 4.06	$ 4.74	$ 4.67	$ 4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	5.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1982	9.83	10.22	9.57	10.10	9.31	10.02	10.89	11.72
1982								
March ...	9.83	10.01	9.42	9.93	9.12	9.84	10.80	11.69
April ...	9.80	10.08	9.44	9.99	9.18	9.94	10.80	11.59
May	9.80	10.13	9.54	10.12	9.27	10.06	10.91	11.70
June	9.81	10.25	9.64	10.25	9.31	10.33	10.98	11.71
July	9.68	10.05	9.66	10.22	9.37	10.28	11.06	11.85
August ..	9.79	10.35	9.62	10.18	9.40	10.05	10.91	11.64
September	9.91	10.39	9.68	10.26	9.47	10.08	10.93	11.75
October .	9.92	10.46	9.65	10.15	9.49	10.01	11.01	11.58
November.	9.95	10.44	9.78	10.19	9.50	9.89	11.01	11.65
December.	10.06	10.52	9.84	10.26	9.57	10.05	11.00	12.01
1983								
January .	10.21	10.56	9.85	10.29	9.62	10.16	11.10	12.00
February.	10.21	10.62	9.93	10.28	9.70	10.23	11.12	12.22
March ...	10.35	10.61	10.00	10.31	9.76	10.31	11.05	12.33
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1972	$197.03	$181.89	$173.89	$190.35	$164.02	$201.45	$196.14	$201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	355.38	346.80	397.85	406.14	474.10
1982	403.03	394.49	387.59	402.99	370.54	400.80	447.58	460.60
1982								
March ...	405.00	386.39	375.86	398.19	359.33	388.68	441.72	457.08
April ...	399.84	391.10	379.49	400.60	361.69	395.61	435.24	447.97
May	401.80	393.04	387.32	409.86	368.02	402.40	447.31	459.81
June	407.12	401.80	395.24	420.25	373.33	425.60	458.96	469.57
July	396.88	368.84	390.26	408.80	369.18	422.51	462.31	466.89
August ..	393.56	396.41	391.53	408.22	372.24	405.02	451.67	441.16
September	406.31	406.25	392.04	406.30	376.91	401.18	456.87	464.13
October .	401.76	400.62	387.93	397.88	376.75	393.39	454.71	455.09
November.	409.94	399.85	404.89	399.45	382.85	397.69	454.71	461.34
December.	418.50	411.33	408.36	409.37	387.59	405.02	452.10	484.00
1983								
January .	433.93	408.67	397.94	409.54	383.84	406.40	460.65	481.20
February.	433.93	409.93	401.17	409.14	388.00	411.25	462.59	496.13
March ...	448.16	410.61	409.00	414.46	393.33	420.65	463.00	506.76

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
AKRON[b]					CANTON[c]				
1972	282.2	267.3	14.8	5.3	1972	165.6	155.3	10.3	6.2
1973	287.1	274.9	12.2	4.3	1973	171.2	163.1	8.1	4.7
1974	290.8	277.7	13.0	4.5	1974	175.6	167.5	8.1	4.6
1975	292.0	264.3	27.7	9.5	1975	174.7	158.0	16.7	9.6
1976	291.3	266.3	25.0	8.6	1976	174.4	158.6	15.8	9.1
1977	294.2	274.7	19.5	6.6	1977	175.9	163.1	12.9	7.3
1978	298.9	282.2	16.7	5.6	1978	179.9	170.0	9.9	5.5
1979	303.8	285.4	18.4	6.1	1979	184.3	173.7	10.6	5.7
1980	303.9	278.2	25.7	8.5	1980	187.7	170.8	16.8	9.0
1981	303.9	274.8	29.1	9.6	1981	188.3	170.0	18.2	9.7
1982	305.8	269.4	36.4	11.9	1982	192.5	165.1	27.4	14.3
1982					1982				
February ...	299.9	264.6	35.2	11.7	February ..	185.1	161.3	23.8	12.9
March	301.4	266.0	35.4	11.7	March	187.9	162.2	25.7	13.7
April	301.8	267.7	34.1	11.3	April	189.5	164.7	24.8	13.1
May	304.3	273.2	31.1	10.2	May	190.4	167.0	23.4	12.3
June	308.7	273.1	35.6	11.5	June	196.6	170.6	26.1	13.3
July	313.7	276.1	37.6	12.0	July	201.2	172.0	29.2	14.5
August	312.7	275.0	37.7	12.1	August	199.7	170.6	29.1	14.6
September ..	308.5	272.2	36.3	11.8	September .	193.0	166.4	26.6	13.8
October	309.3	271.0	38.3	12.4	October ...	195.8	163.9	31.8	16.3
November ...	304.7	264.7	39.9	13.1	November ..	192.9	160.0	32.9	17.1
December ...	304.5	262.9	41.6	13.7	December ..	191.0	159.0	32.0	16.8
1983					1983				
January	296.9	252.3	44.6	15.0	January ...	187.4	153.9	33.5	17.9
February[p] ..	296.6	254.1	42.5	14.3	February[p] .	186.4	153.9	32.6	17.5
CINCINNATI[d]					CLEVELAND[e]				
1972	561.0	529.0	32.0	5.7	1972	873.2	825.2	48.0	5.5
1973	572.0	543.0	29.0	5.1	1973	883.9	849.0	34.9	3.9
1974	595.3	569.8	25.5	4.3	1974	899.1	861.4	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	896.9	826.3	70.6	7.9
1976	604.8	566.6	38.2	6.3	1976	897.7	834.4	63.3	7.0
1977	623.4	588.7	34.7	5.6	1977	908.5	854.4	54.0	5.9
1978	648.3	615.8	32.5	5.0	1978	921.7	878.5	43.2	4.7
1979	663.4	628.1	35.3	5.3	1979	935.8	889.1	46.7	5.0
1980	676.2	628.6	47.5	7.0	1980	937.1	869.0	68.2	7.3
1981	678.6	619.2	59.5	8.8	1981	933.5	853.7	79.8	8.5
1982	681.9	610.4	71.5	10.5	1982	933.7	833.8	100.0	10.7
1982					1982				
February ...	662.8	591.8	71.0	10.7	February ..	905.2	820.8	84.4	9.3
March	671.7	598.4	73.2	10.9	March	918.3	824.3	93.9	10.2
April	676.0	607.3	68.7	10.2	April	919.4	829.4	90.0	9.8
May	681.3	616.6	64.7	9.5	May	929.6	841.7	87.9	9.5
June	700.2	627.0	73.2	10.5	June	963.3	858.4	104.9	10.9
July	698.6	625.4	73.3	10.5	July	967.4	862.9	104.5	10.8
August	696.2	624.3	71.8	10.3	August	963.1	855.8	107.3	11.1
September ..	684.5	617.2	67.3	9.8	September .	934.4	833.4	100.9	10.8
October	690.0	614.8	75.2	10.9	October ...	939.9	829.2	110.7	11.8
November ...	677.5	602.5	75.0	11.1	November ..	926.6	811.3	115.3	12.4
December ...	673.3	598.8	74.5	11.1	December ..	921.5	807.1	114.3	12.4
1983					1983				
January	INA	INA	INA	INA	January ...	895.2	776.5	118.7	13.3
February ...	INA	INA	INA	INA	February[p] .	894.6	777.7	116.9	13.1

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
COLUMBUS[f]					DAYTON[g]				
1972	469.1	450.2	18.9	4.0	1972	353.5	336.2	17.3	4.9
1973	485.5	468.3	17.1	3.5	1973	358.0	343.5	14.5	4.1
1974	495.4	475.5	19.9	4.0	1974	359.5	342.5	17.0	4.7
1975	495.0	458.6	36.5	7.4	1975	357.6	327.7	29.9	8.4
1976	503.6	468.5	35.1	7.0	1976	360.5	336.3	24.2	6.7
1977	513.4	483.3	30.1	5.9	1977	368.6	348.3	20.3	5.5
1978	531.4	506.5	24.9	4.7	1978	381.1	363.7	17.3	4.6
1979	543.0	517.1	25.8	4.8	1979	392.2	367.9	24.2	6.2
1980	554.7	523.3	31.5	5.7	1980	390.2	360.9	29.3	7.5
1981	562.2	518.9	43.3	7.7	1981	390.6	357.8	32.8	8.4
1982	568.8	518.0	50.8	8.9	1982	391.1	347.0	44.2	11.3
1982					1982				
February ...	553.1	504.1	49.0	8.9	February ..	383.8	341.7	42.1	11.0
March	559.2	508.3	50.9	9.1	March	388.0	342.4	45.6	11.8
April	562.8	512.5	50.3	8.9	April	388.7	344.9	43.8	11.3
May	566.7	519.3	47.4	8.4	May	389.1	348.5	40.7	10.4
June	584.7	531.7	52.9	9.1	June	401.2	354.8	46.4	11.6
July	582.9	530.8	52.1	8.9	July	400.1	355.1	45.0	11.2
August	582.4	529.3	53.1	9.1	August	396.3	351.7	44.6	11.3
September ..	568.2	518.8	49.4	8.7	September .	391.7	349.6	42.1	10.7
October	574.9	523.8	51.2	8.9	October ...	393.4	348.3	45.2	11.5
November ...	567.1	513.4	53.6	9.5	November ..	386.5	338.7	47.8	12.4
December ...	564.0	512.3	51.8	9.2	December ..	385.3	338.5	46.8	12.1
1983					1983				
January	548.2	492.8	55.4	10.1	January ...	375.8	327.8	47.9	12.8
February[p]	547.6	493.6	54.0	9.9	February[p] .	374.7	328.4	46.4	12.4
TOLEDO[h]					YOUNGSTOWN-WARREN[i]				
1972	329.4	311.3	18.1	5.5	1972	226.9	212.1	14.8	6.5
1973	339.8	324.2	15.6	4.6	1973	232.5	221.8	10.8	4.6
1974	343.8	324.2	19.7	5.7	1974	236.7	223.7	13.0	5.5
1975	344.8	310.2	34.6	10.0	1975	236.7	209.8	26.9	11.4
1976	347.8	319.4	28.4	8.2	1976	234.2	210.5	23.7	10.1
1977	355.0	329.4	25.6	7.2	1977	234.0	215.0	19.0	8.1
1978	362.1	339.7	22.4	6.2	1978	235.2	217.5	17.7	7.5
1979	368.2	341.7	26.4	7.2	1979	237.1	219.9	17.1	7.2
1980	367.7	329.7	38.0	10.3	1980	238.4	210.4	28.0	11.7
1981	367.3	327.9	39.4	10.7	1981	233.9	205.6	28.2	12.1
1982	368.8	322.7	46.1	12.5	1982	237.7	191.5	46.2	19.4
1982					1982				
February ...	358.2	312.5	45.7	12.7	February ..	233.1	187.0	46.0	19.7
March	360.4	314.2	46.2	12.8	March	231.7	190.3	41.5	17.9
April	364.1	320.3	43.8	12.0	April	236.0	189.6	46.5	19.7
May	367.5	328.0	39.5	10.7	May	236.4	195.5	41.0	17.3
June	377.9	333.0	44.9	11.9	June	244.4	199.0	45.4	18.6
July	376.7	329.8	46.9	12.5	July	242.8	197.9	44.9	18.5
August	374.0	329.1	44.9	12.0	August	245.6	193.4	51.2	21.2
September ..	371.8	327.0	44.8	12.1	September .	238.0	192.3	45.7	19.2
October	374.3	326.6	47.7	12.8	October ...	239.2	190.6	48.5	20.3
November ...	368.5	319.9	48.6	13.2	November ..	237.7	183.0	54.7	23.0
December ...	368.8	316.2	52.6	14.3	December ..	234.2	183.1	51.1	21.8
1983					1983				
January	359.5	307.3	52.2	14.5	January ...	226.6	178.1	48.4	21.4
February[p]	359.3	306.0	53.3	14.8	February[p] .	223.9	178.8	45.1	20.1

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1972	4,510	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,087	4,660	426	8.4	7.1
1981	5,099	4,607	492	9.6	7.6
1982	5,122	4,481	[illegible]	12.5	9.7
1982					
March ...	5,024	4,407	617	12.3	9.5
April ...	5,061	4,454	607	12.0	9.2
May	5,103	4,536	568	11.1	9.1
June	5,264	4,619	645	12.3	9.8
July	5,274	4,628	646	12.2	9.8
August ..	5,249	4,590	659	12.5	9.6
September	5,136	4,505	631	12.3	9.7
October .	5,177	4,494	683	13.2	9.9
November.	5,088	4,378	710	14.0	10.4
December.	5,058	4,344	714	14.1	10.5
1983					
January .	4,942	4,204	738	14.9	11.4
February.	4,925	4,212	713	14.5	11.3
March ...	5,027	4,339	688	13.7	10.8

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.3	3,103.0
1981	4,317.6	1,232.6	3,085.1
1982	4,138.7	1,103.6	3,035.1
1982			
March ...	4,129.1	1,132.5	2,996.6
April ...	4,146.1	1,117.3	3,028.8
May	4,180.9	1,116.5	3,064.4
June	4,191.6	1,119.3	3,072.3
July	4,131.3	1,104.6	3,026.7
August ..	4,116.7	1,093.2	3,023.5
September	4,153.3	1,100.5	3,052.8
October .	4,139.2	1,073.5	3,065.7
November.	4,121.4	1,056.9	3,064.5
December.	4,102.5	1,043.9	3,058.6
1983			
January .	4,012.3	1,051.7	2,960.6
February.	4,015.0	1,056.2	2,958.8
March ...	4,034.9	1,058.7	2,976.3

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.6	726.6	203.8	830.9	689.9
1981	30.7	153.7	217.2	232.5	717.7	205.8	851.5	676.0
1982	30.7	135.5	207.6	229.3	707.3	206.4	859.7	658.6
1982								
March ...	30.6	119.6	206.6	228.8	687.0	204.4	845.0	674.5
April ...	31.0	129.5	207.3	229.1	699.1	204.9	856.1	671.8
May	31.3	139.2	209.6	229.8	709.8	205.8	862.7	676.2
June	31.4	142.9	211.0	230.1	714.2	208.0	871.2	663.5
July	31.1	146.1	209.9	229.7	710.8	208.9	867.5	622.8
August ..	30.1	147.7	209.3	229.4	712.5	208.4	869.2	616.8
September	31.0	147.3	208.4	229.1	715.0	207.2	874.8	640.0
October .	30.3	147.2	206.1	229.4	710.7	206.5	871.4	664.1
November.	30.3	142.2	204.6	229.0	718.4	206.8	865.8	667.3
December.	29.0	129.5	203.6	229.0	730.4	207.3	861.7	668.2
1983								
January .	28.6	112.8	195.5	226.3	687.3	205.8	847.0	657.3
February.	28.1	108.8	194.7	225.3	675.0	205.5	853.5	668.0
March ...	27.6	112.8	194.8	226.2	680.5	205.8	859.3	669.4

---

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures. All data exclude military personnel.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1972	1,346.8	948.8	398.0	979.2	$181.3	40.7
1973	1,426.3	1,018.2	408.1	1,046.7	210.8	44.3
1974	1,416.6	1,013.1	403.5	1,028.7	217.4	42.4
1975	1,267.5	892.4	375.1	897.8	201.5	36.2
1976	1,295.3	910.6	384.6	926.1	233.9	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.3	882.6	381.8	867.8	301.9	35.2
1981	1,232.6	860.4	372.2	847.7	330.4	34.7
1982	1,103.6	755.4	348.3	738.1	298.0	29.6
1982						
March ...	1,132.5	783.9	348.7	763.5	302.2	30.5
April ...	1,117.3	769.3	348.1	749.7	298.2	29.9
May	1,116.5	767.4	349.1	748.8	302.2	30.1
June	1,119.3	768.8	350.5	752.5	311.5	30.6
July	1,104.6	756.9	347.6	738.6	301.2	29.6
August ..	1,093.2	743.3	349.9	728.4	294.6	29.1
September	1,100.5	748.3	352.2	736.6	302.5	29.7
October .	1,073.5	728.5	345.0	712.1	288.1	28.4
November.	1,056.9	713.1	343.8	698.2	285.5	28.1
December.	1,043.9	701.7	342.2	687.1	286.7	28.0
1983						
January .	1,051.7	712.5	339.2	695.0	288.5	28.0
February.	1,056.2	715.7	340.5	700.2	293.6	28.3
March ...	1,058.7	718.3	340.4	702.7	299.3	28.7

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1972	$185.12	$190.19	$172.60	41.6	41.8	40.9	$ 4.45	$ 4.55	$ 4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1982	403.81	414.80	378.95	40.1	40.0	40.4	10.07	10.37	9.38
1982									
March ...	395.81	406.36	370.93	39.9	39.8	40.1	9.92	10.21	9.25
April ...	397.80	407.55	374.00	39.9	39.8	40.0	9.97	10.24	9.35
May	403.61	414.63	377.21	40.2	40.1	40.3	10.04	10.34	9.36
June	413.92	426.54	381.92	40.7	40.7	40.5	10.17	10.48	9.43
July	407.82	419.60	379.22	40.1	40.0	40.3	10.17	10.49	9.41
August ..	404.40	415.51	379.89	40.0	39.8	40.5	10.11	10.44	9.38
September	410.66	421.60	385.28	40.3	40.0	40.9	10.19	10.54	9.42
October .	404.59	416.31	378.95	39.9	39.8	40.1	10.14	10.46	9.45
November.	408.83	418.80	387.06	40.2	40.0	40.7	10.17	10.47	9.51
December.	417.18	429.14	390.46	40.7	40.6	40.8	10.25	10.57	9.57
1983									
January .	415.09	427.99	387.03	40.3	40.3	40.4	10.30	10.62	9.58
February.	419.35	433.76	386.72	40.4	40.5	40.2	10.38	10.71	9.62
March ...	425.95	440.49	392.60	40.8	40.9	40.6	10.44	10.77	9.67

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.7	67.4	92.7
1981	61.0	138.3	154.9	204.2	101.9	136.9	69.2	66.1	89.0
1982	54.1	113.3	135.0	179.3	93.2	122.0	66.9	63.2	80.7
1982									
March ...	53.8	121.1	140.3	189.8	96.0	124.3	65.4	64.4	81.4
April ...	54.2	117.9	138.3	185.9	94.4	119.9	65.5	63.9	81.5
May	54.6	115.7	137.4	182.9	94.2	123.8	65.9	63.9	81.9
June	55.3	115.9	137.0	180.6	94.9	125.8	67.1	63.5	82.2
July	55.5	113.8	133.9	176.6	94.1	124.5	67.0	62.6	81.0
August ..	54.7	112.6	131.9	175.3	92.6	117.1	69.7	62.3	80.6
September	55.0	111.4	133.0	174.1	92.0	123.3	70.9	62.3	80.7
October .	54.6	104.2	129.5	168.9	90.8	121.6	67.7	62.0	78.0
November.	53.1	100.8	128.0	166.1	90.1	117.5	66.6	62.2	78.3
December.	50.3	98.1	127.0	163.4	85.6	120.5	66.3	61.8	77.6
1983									
January .	50.2	100.2	128.3	163.2	89.5	125.1	63.9	61.6	78.0
February.	50.4	102.6	130.1	161.7	88.7	126.1	64.3	61.7	79.3
March ...	50.9	103.6	129.8	161.1	88.1	128.0	64.0	61.8	79.5
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1972	$175.14	$204.61	$187.87	$193.46	$164.42	$219.99	$173.43	$187.21	$180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	358.45	381.11
1982									
March ...	371.18	466.29	393.03	390.98	361.43	485.44	377.29	357.00	376.25
April ...	368.15	473.14	397.79	387.68	364.05	493.07	380.42	352.08	376.14
May	372.20	473.07	400.57	387.29	366.96	522.22	385.40	358.45	380.55
June	379.86	495.67	408.18	401.79	366.16	541.37	390.45	354.52	395.37
July	380.14	488.71	405.73	390.04	358.75	528.24	385.02	351.50	385.70
August ..	380.83	496.98	399.35	391.24	365.98	502.18	389.06	351.22	385.15
September	393.65	492.35	401.32	394.18	364.94	528.58	400.26	357.27	380.57
October .	386.78	477.98	401.37	399.78	374.46	502.94	387.28	355.15	368.54
November.	387.69	478.37	407.42	393.39	374.14	518.13	393.71	364.65	380.70
December.	391.35	488.67	420.65	405.42	383.60	526.87	402.66	374.74	388.69
1983									
January .	385.01	486.16	427.00	401.37	380.09	517.33	391.68	370.02	392.22
February.	381.35	500.47	433.78	405.38	379.20	529.44	384.87	362.36	397.57
March ...	387.46	509.12	441.15	407.42	379.85	544.50	390.86	372.50	404.75

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
MARCH 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	March 1983[b]	February 1983[c]	March 1982[c]	February 1983	March 1982
TOTAL	4034.9	4015.0	4129.1	.5	- 2.3
MANUFACTURING	1058.7	1056.2	1132.5	.2	- 6.5
Durable Goods[e]	718.3	715.7	783.9	.4	- 8.4
Lumber and wood products	11.8	11.8	11.7	.3	.6
Furniture and fixtures	12.9	12.8	13.9	1.2	- 6.8
Household furniture	5.9	5.7	6.5	1.9	- 10.0
Stone, clay, and glass products	50.9	50.4	53.8	1.0	- 5.3
Glass and glassware, pressed or blown	14.1	14.2	14.4	- .4	- 1.7
Structural clay products	4.6	4.5	4.8	2.2	- 4.5
Pottery and related products	5.5	5.0	5.9	10.7	- 5.6
Primary metal industries	103.6	102.6	121.1	1.0	- 14.4
Blast furnace and basic steel products	51.6	50.4	93.5	2.5	- 18.7
Iron and steel foundries	20.6	21.1	25.3	- 2.0	- 18.5
Nonferrous rolling and drawing	17.7	17.6	17.0	.8	4.4
Nonferrous foundries	8.2	8.2	8.8	- 1.0	- 7.6
Fabricated metal products	129.8	130.1	140.3	- .2	- 7.5
Cutlery, hand tools, and hardware	11.1	10.9	11.6	2.2	- 4.1
Plumbing and heating, except electric	4.1	4.4	4.5	- 6.8	- 7.6
Fabricated structural metal products	30.1	30.3	32.2	- .7	- 6.7
Screw machine products, bolts, etc.	8.6	8.7	9.8	- 1.9	- 13.0
Metal forgings and stampings	37.1	37.1	39.6	.0	- 6.2
Machinery, except electrical	161.1	161.7	189.8	- .4	- 15.1
Construction and related machinery	17.2	17.3	23.4	- .5	- 26.3
Metalworking machinery	40.6	41.0	50.5	- .9	- 19.5
Special industry machinery	17.4	17.6	19.3	- 1.1	- 9.6
General industrial machinery	31.7	32.1	37.2	- 1.2	- 14.8
Electric and electronic equipment	88.1	88.7	96.0	- .6	- 8.2
Electrical industrial apparatus	18.9	19.1	22.7	- 1.2	- 16.9
Household appliances	14.7	15.2	15.5	- 3.0	- 5.2
Electric lighting and wiring equipment	17.9	17.9	19.0	.1	- 5.7
Communication equipment	10.4	10.4	10.8	- .2	- 4.3
Transportation equipment	128.0	126.1	124.3	1.6	3.0
Motor vehicles and equipment	83.6	81.7	80.5	2.3	3.8
Aircraft and parts	36.3	36.2	35.0	.2	3.8
Instruments and related products	19.6	19.7	20.2	- .1	- 2.8
Measuring and controlling devices	11.9	11.9	12.4	.0	- 4.1
Nondurable Goods[f]	340.4	340.5	348.7	.0	- 2.4
Food and kindred products	64.0	64.3	65.4	- .4	- 2.2
Meat products	10.1	10.6	11.1	- 4.9	- 9.1
Dairy products	10.8	10.8	10.9	.3	- .9
Bakery products	9.8	9.9	10.3	- .9	- 4.6
Beverages	10.7	10.5	10.5	2.5	2.3
Textile mill products	4.1	4.1	4.4	.5	- 6.8
Apparel and other textile products	16.7	16.5	16.5	1.1	1.2
Paper and allied products	34.5	34.7	36.4	- .7	- 5.2
Paper mills, except building paper	8.8	8.8	9.3	- .4	- 5.7
Misc. converted paper products	11.2	11.2	11.8	.5	- 4.6
Paperboard containers and boxes	11.4	11.6	11.9	- 1.4	- 4.2
Printing and publishing	61.8	61.7	64.4	.1	- 4.1
Newspapers	18.2	18.3	19.3	- .4	- 5.8
Commercial printing	22.2	22.1	23.8	.6	- 6.4
Chemicals and allied products	64.6	64.7	65.5	- .1	- 1.4
Industrial inorganic chemicals	12.3	12.3	12.3	- .1	- .2
Plastics materials and synthetics	9.0	9.1	9.2	- .4	- 1.9
Petroleum and coal products	9.5	9.5	9.0	.0	4.9
Rubber and misc. plastics products	79.5	79.3	81.4	.2	- 2.3
Tires and inner tubes	20.7	20.8	22.9	- .1	- 9.3
Miscellaneous plastics products	39.7	39.8	39.6	- .2	.3
Leather and leather products	5.7	5.7	5.5	.4	2.4

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
MARCH 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1983[b]	February 1983[c]	March 1982[c]	Mar. 1983[b]	Feb. 1983[c]	Mar. 1982[c]	Mar. 1983[b]	Feb. 1983[c]	Mar. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$425.95	$419.35	$395.81	40.8	40.4	39.9	$10.44	$10.38	$ 9.92
Durable Goods[d]	440.49	433.76	406.36	40.9	40.5	39.8	10.77	10.71	10.21
Lumber and wood products	288.21	295.32	274.12	39.0	39.8	38.5	7.39	7.42	7.12
Furniture and fixtures	319.76	306.92	293.53	41.1	39.5	39.4	7.78	7.77	7.45
Household furniture	281.59	270.44	258.13	40.4	38.8	38.7	6.97	6.97	6.67
Stone, clay, and glass products	387.46	381.35	371.18	40.7	40.1	40.7	9.52	9.51	9.12
Glass and glassware, pressed or blown	403.92	395.69	367.44	39.6	39.1	38.8	10.20	10.12	9.47
Structural clay products	290.88	271.13	288.75	40.4	38.9	40.9	7.20	6.97	7.06
Pottery and related products	306.08	302.81	290.67	38.5	37.2	37.7	7.95	8.14	7.71
Primary metal industries	509.12	500.47	466.29	39.9	39.5	38.6	12.76	12.67	12.08
Blast furnace and basic steel products	532.51	525.42	494.62	38.2	37.8	37.7	13.94	13.90	13.12
Iron and steel foundries	495.93	479.08	441.61	41.5	40.6	39.5	11.95	11.80	11.18
Nonferrous rolling and drawing	514.59	515.43	469.09	41.2	41.4	38.8	12.49	12.45	12.09
Nonferrous foundries	383.97	380.64	341.74	41.6	41.6	40.3	9.23	9.15	8.48
Fabricated metal products	441.15	433.78	393.03	41.5	41.0	39.7	10.63	10.58	9.90
Cutlery, hand tools, and hardware	435.84	426.97	391.60	39.3	39.1	40.0	11.09	10.92	9.79
Plumbing and heating, except electric	319.49	341.38	313.04	38.4	38.4	36.4	8.32	8.89	8.60
Fabricated structural metal products	416.75	413.34	356.33	41.8	41.5	39.2	9.97	9.96	9.09
Screw machine products, bolts, etc.	375.44	359.46	336.87	40.5	39.2	38.9	9.27	9.17	8.66
Metal forgings and stampings	523.93	509.16	465.56	42.7	41.7	40.1	12.27	12.21	11.61
Machinery, except electrical	407.42	405.38	390.98	40.1	39.9	40.1	10.16	10.16	9.75
Construction and related machinery	394.37	380.93	404.61	38.4	37.2	40.1	10.27	10.24	10.09
Metalworking machinery	400.07	400.30	380.63	39.3	39.4	39.2	10.18	10.16	9.71
Special industry machinery	396.73	392.23	367.52	40.9	40.9	40.7	9.70	9.59	9.03
General industrial machinery	401.00	401.94	395.79	39.9	39.6	40.1	10.05	10.15	9.87
Electric and electronic equipment	379.85	379.20	361.43	39.9	40.0	39.5	9.52	9.48	9.15
Electrical industrial apparatus	354.16	351.59	345.98	38.0	38.3	38.4	9.32	9.18	9.01
Household appliances	406.22	399.59	363.87	40.5	40.2	39.0	10.03	9.94	9.33
Electric lighting and wiring equipment	372.91	374.51	346.02	40.8	41.2	39.5	9.14	9.09	8.76
Communication equipment	412.80	420.21	409.46	40.0	40.6	40.5	10.32	10.35	10.11
Transportation equipment	544.50	529.44	485.44	43.7	42.8	41.0	12.46	12.37	11.84
Motor vehicles and equipment	566.69	552.48	505.12	44.1	43.4	40.9	12.85	12.73	12.35
Aircraft and parts	494.47	481.95	436.81	42.7	41.8	40.9	11.58	11.53	10.68
Instruments and related products	288.79	295.54	281.46	38.2	39.3	39.2	7.56	7.52	7.18
Measuring and controlling devices	288.41	293.67	284.86	37.8	39.0	39.4	7.63	7.53	7.23
Nondurable Goods[e]	392.60	386.72	370.93	40.6	40.2	40.1	9.67	9.62	9.25
Food and kindred products	390.86	384.87	377.29	40.8	40.3	40.7	9.58	9.55	9.27
Meat products	413.65	381.79	414.32	41.2	38.8	40.9	10.04	9.84	10.13
Dairy products	389.48	381.49	366.35	42.8	42.2	42.5	9.10	9.04	8.62
Bakery products	396.60	393.03	366.03	39.7	39.5	39.7	9.99	9.95	9.22
Beverages	348.04	335.66	323.74	38.8	38.1	37.6	8.97	8.81	8.61
Textile mill products	279.03	280.68	257.28	39.3	39.7	39.1	7.10	7.07	6.58
Apparel and other textile products	224.36	222.38	218.46	36.6	36.1	37.6	6.13	6.16	5.81
Paper and allied products	406.59	406.08	375.62	43.3	43.2	42.3	9.39	9.40	8.88
Paper mills, except building paper	494.18	495.73	467.62	45.8	46.2	45.4	10.79	10.73	10.30
Misc. converted paper products	364.19	361.20	329.67	42.2	42.0	40.6	8.63	8.60	8.12
Paperboard containers and boxes	370.44	364.32	341.12	42.0	41.4	41.0	8.82	8.80	8.32
Printing and publishing	372.50	362.36	357.00	37.4	36.9	37.5	9.96	9.82	9.52
Newspapers	320.96	309.87	319.07	32.0	31.3	32.1	10.03	9.90	9.94
Commercial printing	383.15	370.82	376.36	38.2	37.8	38.8	10.03	9.81	9.70
Chemicals and allied products	439.52	434.52	405.37	41.0	40.8	40.7	10.72	10.65	9.96
Industrial inorganic chemicals	472.16	468.65	432.19	41.6	41.4	41.2	11.35	11.32	10.49
Plastics materials and synthetics	474.53	471.58	442.26	43.1	42.6	42.0	11.01	11.07	10.53
Petroleum and coal products	624.96	607.62	586.45	43.4	42.7	43.7	14.40	14.23	13.42
Rubber and misc. plastics products	404.75	397.57	376.25	41.9	41.5	40.5	9.66	9.58	9.29
Tires and inner tubes	536.54	533.95	528.04	43.2	43.2	43.0	12.42	12.36	12.28
Miscellaneous plastics products	394.07	380.78	340.34	41.7	40.9	39.3	9.45	9.31	8.66
Leather and leather products	206.39	197.65	176.30	37.8	36.2	34.1	5.46	5.46	5.17

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
MARCH 1983 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	March 1983[b]	February 1983[c]	March 1982[c]	February 1983	March 1982
NONMANUFACTURING	2976.3	2958.8	2996.6	.6	- .7
MINING	27.6	28.1	30.6	- 1.8	- 9.8
Bituminous coal and lignite mining	10.7	11.5	13.7	- 6.7	- 21.7
CONSTRUCTION	112.8	108.8	119.6	3.7	- 5.7
General building contractors	27.8	27.1	28.4	2.7	- 2.0
Heavy construction contractors	15.3	14.4	19.4	5.9	- 21.6
TRANSPORTATION AND PUBLIC UTILITIES	194.8	194.7	206.6	.1	- 5.7
Railroad transportation	19.3	19.4	43.4	- .7	- 17.5
Transportation, except railroads	83.5	82.9	86.7	.8	- 3.7
Trucking and warehousing	60.2	59.8	64.0	.7	- 5.9
Communication, electric, gas services	92.0	92.4	96.6	- .4	- 4.7
Communication	51.8	51.9	55.4	- .2	- 6.6
Electric, gas, and sanitary services	40.3	40.5	41.2	- .6	- 2.2
WHOLESALE TRADE	226.2	225.3	228.8	.4	- 1.1
Wholesale trade-durable goods	143.4	143.0	146.4	.3	- 2.1
Motor vehicles & automotive equipment	20.5	20.5	20.5	.3	.1
Electrical goods	18.7	18.7	19.2	.2	- 2.3
Machinery, equipment, and supplies	61.8	61.6	62.5	.3	- 1.1
Wholesale trade-nondurable goods	82.8	82.3	82.4	.6	.5
Groceries and related products	25.4	25.2	24.9	.7	1.9
RETAIL TRADE	680.5	675.0	687.0	.8	- 1.0
General merchandise stores	106.9	107.6	111.8	- .6	- 4.4
Department stores	97.6	98.3	102.1	- .7	- 4.4
Food stores	115.0	115.5	114.6	- .5	.3
Automotive dealers & service stations	74.2	73.5	75.3	.9	- 1.5
Apparel and accessory stores	31.7	31.5	32.6	.7	- 2.8
FINANCE, INSURANCE, AND REAL ESTATE	205.8	205.5	204.4	.1	.7
Banking	58.1	58.2	59.2	- .2	- 1.9
Credit agencies other than banks	30.2	30.2	29.8	.2	1.3
Insurance carriers	59.4	59.4	59.3	.1	.2
SERVICES	859.3	853.5	845.0	.7	1.7
Hotels and other lodging places	27.9	27.8	28.5	.5	- 2.0
Laundry, cleaning, & garment services	16.1	16.0	16.6	.8	- 2.9
Business services	119.4	118.9	119.5	.4	- .1
Health services	320.2	319.0	307.4	.4	4.2
Hospitals	175.9	175.5	171.1	.2	2.8
GOVERNMENT	669.4	668.0	674.5	.2	- .8
Federal government	87.9	88.1	88.4	- .2	- .6
State government	146.6	146.1	146.2	.4	.3
State government, except education	70.6	70.7	71.3	- .2	- .9
State government education[i]	76.0	75.3	74.9	.8	1.4
Local government	434.9	433.8	439.9	.2	- 1.1
Local government, except education	180.8	180.0	180.5	.4	.2
Local government education	254.1	253.8	259.4	.1	- 2.1

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
MARCH 1983 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1983[b]	February 1983[c]	March 1982[c]	Mar. 1983[b]	Feb. 1983[c]	Mar. 1982[c]	Mar. 1983[b]	Feb. 1983[c]	Mar. 1982[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$434.72	$453.84	$445.01	41.8	43.1	43.5	$10.40	$10.53	$10.29
Bituminous coal and lignite mining	523.31	549.44	533.95	40.1	42.2	43.2	13.05	13.02	12.36
CONSTRUCTION	548.60	553.47	523.98	36.5	36.8	36.9	15.03	15.04	14.20
General building contractors	500.81	495.16	460.79	35.9	35.7	35.5	13.95	13.87	12.98
Heavy construction contractors	520.18	551.00	587.70	36.3	38.0	41.3	14.33	14.50	14.23
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	460.51	465.15	454.04	36.9	36.8	37.4	12.48	12.64	12.14
Communication, electric, gas services	441.94	441.14	415.27	39.6	39.6	40.2	11.16	11.14	10.33
Communication	439.82	439.43	405.43	39.2	39.2	39.4	11.22	11.21	10.29
Electric, gas, and sanitary services	444.31	443.11	430.15	40.1	40.1	41.4	11.08	11.05	10.39
WHOLESALE TRADE	321.26	318.78	304.55	38.8	38.5	38.6	8.28	8.28	7.89
Wholesale trade–durable goods	314.34	311.92	299.54	39.0	38.7	38.8	8.06	8.06	7.72
Motor vehicles & automotive equipment	271.95	270.11	247.75	37.0	36.9	37.2	7.35	7.32	6.66
Electrical goods	258.91	258.86	256.36	37.2	37.3	37.7	6.96	6.94	6.80
Machinery, equipment, and supplies	348.48	347.11	326.19	39.6	39.4	39.3	8.80	8.81	8.30
Wholesale trade–nondurable goods	332.93	330.71	313.62	38.4	38.1	38.2	8.67	8.68	8.21
Groceries and related products	357.69	360.77	341.30	40.6	40.4	40.2	8.81	8.93	8.49
RETAIL TRADE[f]	156.10	153.36	150.15	28.8	28.4	28.6	5.42	5.40	5.25
General merchandise stores	155.73	153.46	151.44	29.0	28.9	28.9	5.37	5.31	5.24
Department stores	157.79	156.06	152.93	28.9	28.9	28.8	5.46	5.40	5.31
Food stores	224.13	222.88	220.43	31.0	30.7	30.7	7.23	7.26	7.18
Automotive dealers & service stations	205.30	196.97	196.84	36.4	35.3	37.0	5.64	5.58	5.32
Apparel and accessory stores	115.19	110.24	109.82	26.3	25.4	26.4	4.38	4.34	4.16
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	212.71	213.60	196.61	....	....	....	....	....	....
Credit agencies other than banks	209.11	212.12	198.18	....	....	....	....	....	....
Insurance carriers	285.14	284.98	267.68	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	276.34	276.46	255.02	34.2	34.3	33.6	8.08	8.06	7.59
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
MARCH 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	March 1983[b]	February 1983[c]	March 1982[c]	February 1983	March 1982
TOTAL	247.1	245.9	250.9	.5	- 1.5
MANUFACTURING	67.2	67.1	70.6	.2	- 4.9
Durable Goods[e]	33.7	33.7	35.3	.0	- 4.3
Stone, clay, and glass products	1.9	1.9	1.7	2.0	12.9
Fabricated metal products	12.6	12.8	12.8	- 1.2	- .8
Machinery, except electrical	8.9	8.8	10.2	1.3	- 12.7
Special industry machinery	1.6	1.5	2.1	.3	- 25.2
Nondurable Goods[f]	33.4	33.3	35.4	.3	- 5.5
Food and kindred products	2.5	2.5	2.6	.4	- 5.3
Chemicals and allied products	3.1	3.2	3.2	- .9	- 1.7
Rubber and misc. plastics products	23.0	22.8	24.5	.7	- 6.5
Tires and inner tubes	16.7	16.7	18.7	.0	- 10.8
NONMANUFACTURING[g]	179.9	178.8	180.2	.6	- .2
CONSTRUCTION	5.7	5.5	6.0	4.3	- 3.7
TRANSPORTATION AND PUBLIC UTILITIES	12.8	12.6	13.5	.9	- 5.2
Communication, electric, gas services	5.4	5.4	5.6	.0	- 2.2
WHOLESALE TRADE	12.5	12.5	12.5	.1	- .4
RETAIL TRADE	44.8	44.4	44.1	.9	1.6
FINANCE, INSURANCE, AND REAL ESTATE	9.2	9.2	9.3	.0	- .4
SERVICES	51.2	51.0	51.2	.5	- .1
GOVERNMENT	43.1	43.0	43.1	.2	.1
State government (includes education)	14.6	14.6	14.1	.4	3.9
Local government (includes education)	26.4	26.4	26.9	.2	- 1.8

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
MARCH 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1983[b]	February 1983[c]	March 1982[c]	Mar. 1983[b]	Feb. 1983[c]	Mar. 1982[c]	Mar. 1983[b]	Feb. 1983[c]	Mar. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$448.16	$433.93	$405.00	43.3	42.5	41.2	$10.35	$10.21	$ 9.83
Durable Goods[d]	460.40	439.62	395.38	44.1	43.1	41.1	10.44	10.20	9.62
Stone, clay, and glass products	378.62	385.63	379.13	40.8	41.2	41.3	9.28	9.36	9.18
Fabricated metal products	528.71	467.93	396.73	45.5	42.5	40.4	11.62	11.01	9.82
Machinery, except electrical	427.95	428.40	402.66	45.0	45.0	42.7	9.51	9.52	9.43
Special industry machinery	399.23	376.51	351.29	41.5	39.8	40.8	9.62	9.46	8.61
Nondurable Goods[e]	429.84	426.78	419.15	42.1	41.8	41.5	10.21	10.21	10.10
Food and kindred products	423.58	421.02	415.80	43.4	42.7	44.0	9.76	9.86	9.45
Chemicals and allied products	456.12	455.26	421.23	42.0	41.5	41.5	10.86	10.97	10.15
Rubber and misc. plastics products	441.70	437.57	444.35	42.8	42.4	42.4	10.32	10.32	10.48
Tires and inner tubes	564.99	563.27	553.58	43.9	43.8	43.9	12.87	12.86	12.61
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	501.03	536.85	515.69	34.2	36.2	36.6	14.65	14.83	14.09
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	450.47	448.15	415.84	39.9	39.8	40.1	11.29	11.26	10.37
WHOLESALE TRADE	291.84	293.61	281.86	38.4	39.2	38.4	7.60	7.49	7.34
RETAIL TRADE[f]	171.41	170.82	168.45	29.3	29.1	29.5	5.85	5.87	5.71
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
MARCH 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	March 1983[b]	February 1983[c]	March 1982[c]	February 1983	March 1982
TOTAL	144.8	144.6	148.9	.2	- 2.7
MANUFACTURING	45.1	45.3	49.5	- .6	- 8.9
Durable Goods[e]	34.2	34.3	38.7	- .1	- 11.5
Stone, clay, and glass products	2.0	2.0	1.8	1.0	15.4
Primary metal industries	10.3	10.4	12.3	- .5	- 15.9
Fabricated metal products	7.8	7.8	9.0	- .3	- 13.9
Fabricated structural metal products	2.3	2.3	3.1	- 1.3	- 25.6
Metal forgings and stampings	2.2	2.2	2.5	.0	- 12.3
Nondurable Goods[f]	10.9	11.1	10.8	- 1.9	.4
Food and kindred products	4.0	4.1	4.0	- 2.5	- .7
Rubber and misc. plastics products	2.7	2.7	2.5	.2	8.1
NONMANUFACTURING[g]	99.7	99.2	99.4	.5	.4
CONSTRUCTION	3.7	3.6	3.8	2.7	- 3.3
TRANSPORTATION AND PUBLIC UTILITIES	5.9	5.9	6.4	- .4	- 8.0
Communication, electric, gas services	2.9	2.9	3.1	- .4	- 4.7
WHOLESALE TRADE	7.7	7.7	7.6	.6	1.2
RETAIL TRADE	25.4	25.2	25.3	.8	.5
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.3	6.3	.2	.9
SERVICES	30.9	30.7	29.9	.6	3.1
GOVERNMENT	18.5	18.5	18.7	.2	- 1.0
Local government (includes education)	15.6	15.6	15.5	.0	.4

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
MARCH 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1983[b]	February 1983[c]	March 1982[c]	Mar. 1983[b]	Feb. 1983[c]	Mar. 1982[c]	Mar. 1983[b]	Feb. 1983[c]	Mar. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$410.61	$409.93	$386.39	38.7	38.6	38.6	$10.61	$10.62	$10.01
Durable Goods[d]	421.90	423.83	391.04	38.6	38.6	38.3	10.93	10.98	10.21
Stone, clay, and glass products	266.78	270.40	267.53	39.7	40.0	39.4	6.72	6.76	6.79
Primary metal industries	468.58	473.35	428.98	36.1	36.3	35.6	12.98	13.04	12.05
Fabricated metal products	470.90	465.12	406.77	40.7	40.8	39.0	11.57	11.40	10.43
Fabricated structural metal products	441.98	424.40	388.05	40.4	40.0	39.8	10.94	10.61	9.75
Metal forgings and stampings	552.71	547.04	476.77	40.7	41.1	39.5	13.58	13.31	12.07
Nondurable Goods[e]	373.23	367.05	366.43	39.0	38.8	39.7	9.57	9.46	9.23
Food and kindred products	428.53	415.72	426.40	39.9	38.6	40.0	10.74	10.77	10.66
Rubber and misc. plastics products	380.10	378.36	377.27	42.0	41.9	44.7	9.05	9.03	8.44
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	484.77	508.53	493.51	33.0	34.5	35.1	14.69	14.74	14.06
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	453.05	452.73	434.25	40.2	40.1	41.2	11.27	11.29	10.54
WHOLESALE TRADE	295.66	299.01	290.70	36.1	36.2	38.2	8.19	8.26	7.61
RETAIL TRADE[f]	154.81	152.11	145.80	29.1	28.7	28.7	5.32	5.30	5.08
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
MARCH 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	March 1983[b]	February 1983[c]	March 1982[c]	February 1983	March 1982
TOTAL	561.9	558.8	570.6	.6	- 1.5
MANUFACTURING	142.8	142.6	148.1	.1	- 3.6
Durable Goods[e]	78.6	78.2	81.8	.6	- 3.8
Furniture and fixtures	2.1	2.1	2.1	.3	- 2.7
Primary metal industries	1.8	1.6	2.1	12.0	- 14.0
Fabricated metal products	12.1	12.1	13.1	.0	- 7.5
Fabricated structural metal products	3.8	3.8	4.5	- .7	- 14.9
Machinery, except electrical	21.5	21.7	24.1	- .9	- 11.0
Metalworking machinery	10.3	10.5	11.9	- 2.5	- 13.5
General industrial machinery	3.5	3.4	3.9	3.6	- 10.3
Electric and electronic equipment	7.5	7.5	8.3	.6	- 9.0
Transportation equipment	23.7	23.5	22.5	.8	5.3
Motor vehicles and equipment	9.1	8.9	8.1	2.2	13.1
Nondurable Goods[f]	64.1	64.4	66.4	- .4	- 3.4
Food and kindred products	14.0	14.0	15.6	.3	- 10.3
Meat products	1.9[h]	1.9[h]	2.5	- .2	- 23.6
Bakery products	2.3	2.4	2.3	- 3.3	- .5
Beverages	4.3	4.1	4.4	3.4	- 2.0
Apparel and other textile products	3.6	3.6	3.7	.7	- 1.5
Paper and allied products	5.6	5.7	6.0	- 1.4	- 7.0
Printing and publishing	11.4	11.4	11.6	.3	- 1.6
Chemicals and allied products	21.8	21.7	21.9	.4	- .3
Rubber and misc. plastics products	4.0	4.3	4.1	- 7.6	- 4.1
NONMANUFACTURING[g]	419.1	416.2	422.5	.7	- .8
CONSTRUCTION	16.8	16.1	18.6	4.3	- 9.4
TRANSPORTATION AND PUBLIC UTILITIES	31.1	30.9	32.5	.4	- 4.3
Communication, electric, gas services	14.4	14.4	14.6	- .2	- 1.5
WHOLESALE TRADE	36.6	36.6	37.2	.1	- 1.6
RETAIL TRADE	98.2	97.6	98.3	.6	- .1
FINANCE, INSURANCE, AND REAL ESTATE	32.0	32.1	32.2	- .1	- .4
Banking	7.2	7.2	7.4	.0	- 2.8
Insurance carriers	11.3	11.4	11.3	- .9	- .2
SERVICES	124.1	122.7	121.4	1.1	2.2
GOVERNMENT	79.9	79.7	82.1	.2	- 2.6
Federal government	12.5	12.6	12.7	- .8	- 1.9
State government (includes education)	18.6	18.5	18.7	.7	- .3
Local government	48.8	48.7	50.7	.4	- 3.6
Local government, except education	21.1	21.0	21.2	.5	- .5
Local government education	27.7	27.7	29.5	.2	- 5.8

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
MARCH 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1983[b]	February 1983[c]	March 1982[c]	Mar. 1983[b]	Feb. 1983[c]	Mar. 1982[c]	Mar. 1983[b]	Feb. 1983[c]	Mar. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$409.00	$401.17	$375.86	40.9	40.4	39.9	$10.00	$ 9.93	$ 9.42
Durable Goods[d]	395.04	389.94	361.82	40.6	40.2	39.5	9.73	9.70	9.16
Furniture and fixtures	297.99	296.83	254.89	38.7	38.6	35.5	7.70	7.69	7.18
Primary metal industries	380.79	392.27	328.16	36.3	37.9	35.4	10.49	10.35	9.27
Fabricated metal products	377.87	377.87	348.20	41.8	41.8	39.3	9.04	9.04	8.86
Fabricated structural metal products	346.53	333.33	298.34	41.7	40.7	38.2	8.31	8.19	7.81
Machinery, except electrical	352.63	345.20	329.86	39.4	38.7	38.4	8.95	8.92	8.59
Metalworking machinery	382.16	376.62	347.23	37.8	37.4	36.9	10.11	10.07	9.41
General industrial machinery	346.36	325.88	338.44	40.7	39.5	40.1	8.51	8.25	8.44
Electric and electronic equipment	301.09	301.46	292.70	38.8	39.1	39.5	7.76	7.71	7.41
Transportation equipment	546.52	534.94	496.51	42.3	41.5	41.0	12.92	12.89	12.11
Motor vehicles and equipment	597.28	589.64	576.02	42.3	41.7	41.5	14.12	14.14	13.88
Nondurable Goods[e]	424.98	414.73	392.69	41.3	40.7	40.4	10.29	10.19	9.72
Food and kindred products	461.61	462.56	442.39	41.4	41.3	41.0	11.15	11.20	10.79
Meat products	391.17	369.24	441.98	38.2	36.2	41.0	10.24	10.20	10.78
Bakery products	413.50	415.33	389.99	40.9	41.0	41.8	10.11	10.13	9.33
Beverages	430.14	423.32	404.63	41.6	40.9	41.5	10.34	10.35	9.75
Apparel and other textile products	225.80	213.24	234.43	37.2	35.6	39.4	6.07	5.99	5.95
Paper and allied products	364.83	363.49	324.40	41.6	41.4	40.0	8.77	8.78	8.11
Printing and publishing	423.47	404.04	388.09	39.8	39.0	39.4	10.64	10.36	9.85
Chemicals and allied products	491.31	474.12	451.31	42.1	41.3	42.1	11.67	11.48	10.72
Rubber and misc. plastics products	346.43	345.58	299.49	44.3	43.8	40.2	7.82	7.89	7.45
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	538.28	525.54	567.75	37.2	36.7	39.4	14.47	14.32	14.41
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	407.23	404.83	382.79	38.6	38.3	39.1	10.55	10.57	9.79
WHOLESALE TRADE	321.79	323.71	303.41	38.4	38.4	38.7	8.38	8.43	7.84
RETAIL TRADE[f]	156.82	155.23	151.04	29.7	29.4	29.5	5.28	5.28	5.12
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	219.04	217.47	193.87	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
MARCH 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	March 1983[b]	February 1983[c]	March 1982[c]	February 1983	March 1982
TOTAL	820.8	816.5	848.0	.5	-3.2
MANUFACTURING	210.9	210.5	230.9	.2	-8.7
Durable Goods[e]	146.8	146.8	166.4	.0	-11.8
Furniture and fixtures	2.0	2.0	2.2	-.8	-9.4
Primary metal industries	23.6	23.7	27.1	-.4	-12.9
Blast furnace and basic steel products	11.7	11.6	14.2	.2	-17.8
Iron and steel foundries	5.9	6.0	6.3	-1.5	-6.5
Nonferrous foundries	2.6	2.6	2.8	-1.0	-7.2
Fabricated metal products	31.9	32.3	35.0	-1.1	-8.8
Fabricated structural metal products	3.7	3.7	4.0	.7	-5.5
Screw machine products, bolts, etc.	4.7	4.8	5.4	-2.0	-12.7
Metal forgings and stampings	10.7	11.1	12.3	-2.8	-12.6
Machinery, except electrical	32.0	32.0	42.2	-.2	-24.3
Construction and related machinery	4.8[h]	4.8[h]	7.7	-.9	-37.7
Metalworking machinery	11.0	11.0	14.5	.8	-23.9
Special industry machinery	3.2	3.2	3.6	-1.8	-12.4
General industrial machinery	2.6	2.7	3.7	-2.2	-28.6
Electric and electronic equipment	23.2	23.1	24.4	.3	-4.8
Electrical industrial apparatus	8.0	8.1	8.9	-.8	-9.9
Transportation equipment	20.6	20.2	21.3	1.9	-3.1
Motor vehicles and equipment	14.3	14.0	14.4	2.4	-.3
Instruments and related products	5.6	5.7	6.0	-.4	-5.6
Nondurable Goods[f]	64.1	63.7	64.5	.6	-.7
Food and kindred products	7.8	7.8	7.9	.8	-.5
Bakery products	1.7	1.7	1.8	-.2	-3.6
Beverages	1.6	1.6	1.6	2.5	2.9
Apparel and other textile products	5.5	5.5	5.5	1.1	.6
Paper and allied products	5.0	4.9	4.9	1.1	1.1
Printing and publishing	15.0	14.9	15.3	.4	-2.2
Chemicals and allied products	14.6	14.7	15.3	-1.0	-4.7
Industrial inorganic chemicals	3.7	3.7	3.9	-.7	-3.6
Rubber and misc. plastics products	10.3	10.2	10.2	1.3	1.8
NONMANUFACTURING[g]	609.9	606.0	617.0	.6	-1.1
CONSTRUCTION	22.1	21.4	23.2	3.4	-4.9
TRANSPORTATION AND PUBLIC UTILITIES	40.8	40.7	42.8	.3	-4.6
Communication, electric, gas services	19.7	19.7	20.3	-.2	-3.2
WHOLESALE TRADE	60.1	59.9	61.8	.2	-2.8
RETAIL TRADE	129.1	128.4	131.5	.5	-1.8
FINANCE, INSURANCE, AND REAL ESTATE	47.6	47.6	48.2	.1	-1.2
Banking	13.1	13.2	13.5	-.2	-3.0
Insurance carriers	12.0	11.9	12.1	.3	-1.5
SERVICES	193.0	191.2	190.6	.9	1.3
GOVERNMENT	116.1	115.6	117.7	.5	-1.3
Federal government	19.2	19.3	19.5	-.5	-1.8
State government (includes education)	8.1	8.1	8.0	.0	.5
Local government	88.9	88.3	90.1	.7	-1.4
Local government, except education	45.2	44.8	44.7	.7	.9
Local government education	43.7	43.4	45.4	.8	-3.7

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
MARCH 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1983[b]	February 1983[c]	March 1982[c]	Mar. 1983[b]	Feb. 1983[c]	Mar. 1982[c]	Mar. 1983[b]	Feb. 1983[c]	Mar. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$414.46	$409.14	$398.19	40.2	39.8	40.1	$10.31	$10.28	$ 9.93
Durable Goods[d]	438.21	432.00	416.07	40.5	40.0	40.2	10.82	10.80	10.35
Furniture and fixtures	321.17	305.76	309.96	40.5	39.1	41.0	7.93	7.82	7.56
Primary metal industries	499.68	493.05	463.87	39.5	39.1	38.4	12.65	12.61	12.08
Blast furnace and basic steel products	490.00	490.70	482.66	35.1	35.1	36.4	13.96	13.98	13.26
Iron and steel foundries	606.12	591.33	547.76	43.7	43.1	41.0	13.87	13.72	13.36
Nonferrous foundries	365.25	368.30	312.98	41.6	41.9	37.8	8.78	8.79	8.28
Fabricated metal products	421.20	422.34	409.05	40.5	40.3	40.3	10.40	10.48	10.15
Fabricated structural metal products	325.33	324.24	333.52	38.5	38.6	39.8	8.45	8.40	8.38
Screw machine products, bolts, etc.	387.59	367.77	346.14	40.5	39.0	39.2	9.57	9.43	8.83
Metal forgings and stampings	530.87	529.61	509.63	42.3	41.8	41.4	12.55	12.67	12.31
Machinery, except electrical	412.57	406.90	408.64	39.9	39.2	40.3	10.34	10.38	10.14
Construction and related machinery	455.54	412.41	483.39	40.1	36.4	41.6	11.36	11.33	11.62
Metalworking machinery	412.12	416.71	392.03	39.4	39.8	39.8	10.46	10.47	9.85
Special industry machinery	451.02	447.10	406.18	41.8	42.1	39.9	10.79	10.62	10.18
General industrial machinery	376.99	365.77	396.60	39.6	37.4	39.7	9.52	9.78	9.99
Electric and electronic equipment	358.59	358.98	344.05	38.6	38.6	39.5	9.29	9.30	8.71
Electrical industrial apparatus	339.77	335.12	334.88	35.1	34.8	36.4	9.68	9.63	9.20
Transportation equipment	559.07	536.16	510.56	44.3	43.1	42.3	12.62	12.44	12.07
Motor vehicles and equipment	598.50	568.54	527.52	45.0	43.4	41.8	13.30	13.10	12.62
Instruments and related products	337.60	345.91	317.83	40.0	40.6	40.8	8.44	8.52	7.79
Nondurable Goods[e]	350.84	349.66	345.07	39.2	39.2	39.8	8.95	8.92	8.67
Food and kindred products	368.75	364.97	347.09	40.3	39.8	40.5	9.15	9.17	8.57
Bakery products	395.65	369.20	393.02	41.0	38.7	41.9	9.65	9.54	9.38
Beverages	332.83	317.15	298.38	40.1	39.3	38.7	8.30	8.07	7.71
Apparel and other textile products	253.33	255.98	244.60	37.2	37.7	37.4	6.81	6.79	6.54
Paper and allied products	373.73	376.24	353.22	40.8	41.3	40.6	9.16	9.11	8.70
Printing and publishing	366.63	355.85	375.51	36.7	36.2	38.2	9.99	9.83	9.83
Chemicals and allied products	431.55	429.22	399.74	41.1	40.8	40.5	10.50	10.52	9.87
Industrial inorganic chemicals	446.20	432.95	390.06	41.2	40.2	39.4	10.83	10.77	9.90
Rubber and misc. plastics products	316.68	321.07	321.37	40.6	40.9	41.9	7.80	7.85	7.67
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	613.93	637.69	571.33	36.5	37.8	36.6	16.82	16.87	15.61
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	466.50	467.68	442.20	39.5	39.6	40.2	11.81	11.81	11.00
WHOLESALE TRADE	331.57	334.93	327.60	38.6	38.9	39.0	8.59	8.61	8.40
RETAIL TRADE[f]	168.13	165.79	159.02	28.4	28.1	27.8	5.92	5.90	5.72
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	240.03	243.21	225.04	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
MARCH 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	March 1983[b]	February 1983[c]	March 1982[c]	February 1983	March 1982
TOTAL	494.0	492.0	494.9	.4	- .2
MANUFACTURING	85.8	85.8	87.9	.0	- 2.4
Durable Goods[e]	54.0	54.2	55.8	- .4	- 3.2
Stone, clay, and glass products	8.7	9.0	9.2	- 3.7	- 6.2
Fabricated metal products	9.4	9.3	9.6	1.1	- 2.5
Machinery, except electrical	10.0	9.9	11.0	.7	- 9.3
Electric and electronic equipment	9.9	10.1	11.0	- 1.9	- 9.9
Transportation equipment	7.7	7.6	6.7	1.3	15.4
Nondurable Goods[f]	31.8	31.5	32.1	.7	- 1.0
Food and kindred products	10.1	9.9	10.0	2.0	.4
Printing and publishing	8.2	8.3	8.5	- .1	- 2.5
Chemicals and allied products	6.0	6.0	5.9	.3	1.6
Rubber and misc. plastics products	2.7	2.7	2.8	.2	- 4.1
NONMANUFACTURING[g]	408.2	406.2	407.0	.5	.3
CONSTRUCTION	12.7	12.2	13.2	4.6	- 3.7
TRANSPORTATION AND PUBLIC UTILITIES	21.8	21.7	23.2	.1	- 6.3
Communication, electric, gas services	10.7	10.7	11.4	.0	- 6.3
WHOLESALE TRADE	27.1	27.0	26.9	.4	.9
RETAIL TRADE	90.7	90.1	90.9	.7	- .2
FINANCE, INSURANCE, AND REAL ESTATE	42.0	42.2	40.5	- .4	3.9
Banking	8.4	8.6	8.3	- 1.8	1.7
Insurance carriers	17.6	17.7	17.5	- .3	.6
SERVICES	110.9	110.1	108.2	.8	2.5
GOVERNMENT	102.3	102.3	103.5	- .1	- 1.1
Federal government	11.1	11.1	11.5	- .1	- 3.2
State government	49.4	49.3	49.4	.2	.1
State government, except education	28.7	28.7	29.4	.0	- 2.2
State government education[i]	20.7	20.6	20.0	.5	3.5
Local government	41.8	41.9	42.6	- .4	- 2.0
Local government, except education	17.2	17.2	17.3	.2	- .3
Local government education	24.5	24.7	25.3	- .8	- 3.1

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
MARCH 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1983[b]	February 1983[c]	March 1982[c]	Mar. 1983[b]	Feb. 1983[c]	Mar. 1982[c]	Mar. 1983[b]	Feb. 1983[c]	Mar. 1982[c]
TOTAL	......	....	......	....	....	....	....	....	....
MANUFACTURING	$393.33	$388.00	$359.33	40.3	40.0	39.4	$ 9.76	$ 9.70	$ 9.12
Durable Goods[d]	412.48	406.42	371.15	40.4	40.2	39.4	10.21	10.11	9.42
Stone, clay, and glass products	371.59	369.21	344.82	39.7	39.7	38.7	9.36	9.30	8.91
Fabricated metal products	493.95	478.58	404.35	41.3	40.8	38.4	11.96	11.73	10.53
Machinery, except electrical	370.66	387.06	359.96	39.6	40.7	40.4	9.36	9.51	8.91
Electric and electronic equipment	390.98	393.05	376.27	40.6	41.2	40.2	9.63	9.54	9.36
Transportation equipment	528.66	508.03	448.10	44.5	43.2	41.8	11.88	11.76	10.72
Nondurable Goods[e]	358.58	352.04	336.02	40.2	39.6	39.3	8.92	8.89	8.55
Food and kindred products	353.94	349.57	326.76	41.3	40.6	39.8	8.57	8.61	8.21
Printing and publishing	422.92	417.34	381.78	38.8	38.5	37.8	10.90	10.84	10.10
Chemicals and allied products	403.27	402.05	376.67	40.9	40.9	40.2	9.86	9.83	9.37
Rubber and misc. plastics products	300.75	282.35	305.92	40.1	39.6	40.2	7.50	7.13	7.61
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	488.56	478.66	461.32	36.9	36.4	36.7	13.24	13.15	12.57
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	461.37	460.20	432.80	39.4	39.3	40.0	11.71	11.71	10.82
WHOLESALE TRADE	315.61	308.80	291.06	39.6	38.6	38.5	7.97	8.00	7.56
RETAIL TRADE[f]	161.11	154.73	147.73	29.4	28.6	28.3	5.48	5.41	5.22
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	231.14	231.63	216.96	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
MARCH 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	March 1983[b]	February 1983[c]	March 1982[c]	February 1983	March 1982
TOTAL	332.1	330.6	336.8	.5	-1.4
MANUFACTURING	85.1	84.7	89.3	.5	-4.7
Durable Goods[e]	59.4	58.9	62.4	.7	-4.9
Stone, clay, and glass products	1.9	1.9	1.8	4.6	6.4
Fabricated metal products	6.3	6.3	6.9	.4	-7.9
Machinery, except electrical	28.4	28.2	29.8	.5	-4.9
Metalworking machinery	6.1	6.1	6.7	-.5	-9.4
Electric and electronic equipment	4.6	4.6	5.3	-.2	-13.6
Electrical industrial apparatus	2.6	2.7	3.4	-.6	-21.6
Transportation equipment	12.6	12.5	12.8	1.4	-1.2
Nondurable Goods[f]	25.8	25.7	26.9	.1	-4.2
Food and kindred products	2.9	2.9	2.9	-1.1	-2.8
Paper and allied products	5.1	5.2	5.6	-.8	-9.0
Printing and publishing	7.4	7.4	8.0	.5	-7.6
Rubber and misc. plastics products	7.2	7.0	7.2	2.4	-.4
NONMANUFACTURING[g]	247.0	245.9	247.4	.4	-.2
CONSTRUCTION	7.8	7.5	8.0	5.1	-1.9
TRANSPORTATION AND PUBLIC UTILITIES	12.1	12.1	12.9	-.4	-6.6
Communication, electric, gas services	5.8	5.9	6.7	-1.3	-13.3
WHOLESALE TRADE	16.4	16.4	16.6	.0	-1.3
RETAIL TRADE	53.2	52.9	54.2	.5	-1.9
FINANCE, INSURANCE, AND REAL ESTATE	13.4	13.3	13.3	.1	.6
SERVICES	75.6	75.3	73.9	.4	2.4
GOVERNMENT	68.2	68.1	68.3	.2	-.2
Federal government	25.8	25.9	25.6	-.1	.8
State government (includes education)	6.0	6.0	6.0	.6	-.3
Local government	36.4	36.2	36.7	.4	-.8
Local government, except education	13.0	12.8	13.0	1.9	.0
Local government education	23.4	23.4	23.7	-.4	-1.3

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
MARCH 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1983[b]	February 1983[c]	March 1982[c]	Mar. 1983[b]	Feb. 1983[c]	Mar. 1982[c]	Mar. 1983[b]	Feb. 1983[c]	Mar. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$420.65	$411.25	$388.68	40.8	40.2	39.5	$10.31	$10.23	$ 9.84
Durable Goods[d]	421.48	410.66	391.02	41.0	40.3	39.9	10.28	10.19	9.80
Stone, clay, and glass products	368.14	393.09	361.55	39.5	40.4	39.6	9.32	9.73	9.13
Fabricated metal products	332.49	323.79	315.22	40.4	39.2	39.6	8.23	8.26	7.96
Machinery, except electrical	430.85	427.76	413.92	40.8	40.7	40.7	10.56	10.51	10.17
Metalworking machinery	443.52	443.50	398.52	42.0	42.4	40.5	10.56	10.46	9.84
Electric and electronic equipment	310.80	307.63	296.80	40.0	39.9	40.0	7.77	7.71	7.42
Electrical industrial apparatus	329.38	329.54	315.61	39.4	39.8	39.6	8.36	8.28	7.97
Transportation equipment	536.36	505.06	475.02	42.3	40.6	39.0	12.68	12.44	12.18
Nondurable Goods[e]	421.20	413.83	379.94	40.5	40.1	38.3	10.40	10.32	9.92
Food and kindred products	400.66	383.96	408.18	40.8	39.3	39.9	9.82	9.77	10.23
Paper and allied products	362.30	362.30	334.95	41.5	41.5	40.6	8.73	8.73	8.25
Printing and publishing	378.05	358.60	373.80	37.1	35.4	36.9	10.19	10.13	10.13
Rubber and misc. plastics products	532.99	531.30	454.96	42.2	42.0	37.6	12.63	12.65	12.10
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	501.43	517.16	475.20	36.1	36.6	36.0	13.89	14.13	13.20
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	454.61	450.34	420.65	39.6	39.4	40.1	11.48	11.43	10.49
WHOLESALE TRADE	321.98	321.58	290.56	40.5	40.4	40.3	7.95	7.96	7.21
RETAIL TRADE[f]	152.40	148.86	146.15	28.7	28.3	28.6	5.31	5.26	5.11
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
MARCH 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	March 1983[b]	February 1983[c]	March 1982[c]	February 1983	March 1982
TOTAL	274.1	275.8	279.5	- .6	- 1.9
MANUFACTURING	62.6	65.5	69.6	- 4.5	- 10.1
Durable Goods[e]	47.2[h]	50.1[h]	54.2	- 5.9	- 13.0
Stone, clay, and glass products	11.3	11.2	12.2	.6	- 7.1
Primary metal industries	3.6	3.6	4.0	- 1.1	- 9.2
Fabricated metal products	7.2	7.1	7.7	.2	- 7.0
Metal forgings and stampings	3.3	3.4	3.6	- 2.9	- 7.4
Machinery, except electrical	5.2	5.9	6.7	- 11.9	- 22.1
General industrial machinery	1.2[h]	1.7	1.8	- 29.7	- 35.5
Transportation equipment	14.1	16.2	16.0	- 12.8	- 11.6
Motor vehicles and equipment	12.8	14.9	14.6	- 13.9	- 12.2
Nondurable Goods[f]	15.4	15.4	15.4	- .1	.1
Food and kindred products	4.3	4.2	3.8	2.2	11.2
Rubber and misc. plastics products	3.2	3.2	3.2	.2	2.7
NONMANUFACTURING[g]	211.5	210.3	209.9	.6	.8
CONSTRUCTION	9.2	8.9	10.5	3.7	- 12.5
TRANSPORTATION AND PUBLIC UTILITIES	16.9	16.9	17.5	.1	- 3.6
Communication, electric, gas services	7.6	7.6	7.5	- .1	.1
WHOLESALE TRADE	14.2	14.2	14.6	.4	- 2.4
RETAIL TRADE	48.3	48.0	48.4	.6	- .2
FINANCE, INSURANCE, AND REAL ESTATE	10.8	10.8	10.4	.5	4.0
SERVICES	64.3	64.0	61.8	.5	4.0
GOVERNMENT	47.3	47.2	46.3	.3	2.2
State government (includes education)	15.0	15.0	14.8	.0	1.5
Local government	29.6	29.4	28.8	.6	2.6
Local government, except education	10.9	10.9	10.7	.2	2.1
Local government education	18.7	18.5	18.1	.7	2.9

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
MARCH 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1983[b]	February 1983[c]	March 1982[c]	Mar. 1983[b]	Feb. 1983[c]	Mar. 1982[c]	Mar. 1983[b]	Feb. 1983[c]	Mar. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$463.00	$462.59	$441.72	41.9	41.6	40.9	$11.05	$11.12	$10.80
Durable Goods[d]	482.35	478.61	457.26	42.2	41.8	40.9	11.43	11.45	11.18
Stone, clay, and glass products	477.85	467.29	479.70	42.4	41.5	43.1	11.27	11.26	11.13
Primary metal industries	419.21	431.17	415.23	40.7	41.3	41.9	10.30	10.44	9.91
Fabricated metal products	448.93	455.38	443.94	41.8	42.4	42.0	10.74	10.74	10.57
Metal forgings and stampings	520.30	511.34	489.82	43.0	42.4	41.3	12.10	12.06	11.86
Machinery, except electrical	412.78	400.42	426.13	39.5	38.8	40.7	10.45	10.32	10.47
General industrial machinery	413.40	413.40	433.19	36.2	36.2	38.2	11.42	11.42	11.34
Transportation equipment	584.76	566.35	504.02	44.0	43.2	39.5	13.29	13.11	12.76
Motor vehicles and equipment	585.64	565.47	502.54	44.0	43.1	39.2	13.31	13.12	12.82
Nondurable Goods[e]	405.25	409.18	382.45	41.1	41.0	40.6	9.86	9.98	9.42
Food and kindred products	426.64	428.64	396.79	42.2	41.9	41.9	10.11	10.23	9.47
Rubber and misc. plastics products	338.58	345.47	316.78	40.5	40.5	39.4	8.36	8.53	8.04
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	633.74	630.18	601.79	37.7	37.6	38.8	16.81	16.76	15.51
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services ..	463.64	462.80	462.18	39.9	40.0	41.6	11.62	11.57	11.11
WHOLESALE TRADE	344.93	332.61	329.28	38.8	38.1	38.2	8.89	8.73	8.62
RETAIL TRADE[f]	157.91	155.68	154.19	28.3	28.0	28.5	5.58	5.56	5.41
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education) ..	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education ...	......	......	......	....	....	....	....	....	....
Local government education									

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
MARCH 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	March 1983[b]	February 1983[c]	March 1982[c]	February 1983	March 1982
TOTAL	179.4	176.2	183.3	1.8	- 2.1
MANUFACTURING	53.5	50.9	55.9	5.2	- 4.2
Durable Goods[e]	48.7	46.1	51.1	5.8	- 4.5
Stone, clay, and glass products	1.8	1.8	1.7	.4	5.9
Primary metal industries	22.3	21.9	25.0	1.9	- 10.8
Blast furnace and basic steel products	9.2	8.9	13.1	3.4	- 29.7
Fabricated metal products	8.2	8.1	8.2	2.1	.3
Fabricated structural metal products	2.2	2.2	2.4	- .5	- 7.5
Machinery, except electrical	3.8	4.0	5.1	- 4.2	- 25.4
Metalworking machinery	1.9	2.0	2.5	- 6.5	- 23.5
Electric and electronic equipment	2.6	2.6	2.9	- .6	- 9.4
Transportation equipment	8.6	6.2	6.3	38.0	35.0
Nondurable Goods[f]	4.8	4.8	4.8	- 1.0	- 1.1
NONMANUFACTURING[g]	125.9	125.3	127.4	.5	- 1.2
CONSTRUCTION	4.2	4.1	4.9	2.6	- 12.8
TRANSPORTATION AND PUBLIC UTILITIES	7.5	7.5	8.2	- .1	- 8.5
Communication, electric, gas services	3.2	3.2	3.4	- .1	- 5.4
WHOLESALE TRADE	7.8	7.8	8.1	.3	- 3.3
RETAIL TRADE	33.9	33.7	35.1	.6	- 3.3
FINANCE, INSURANCE, AND REAL ESTATE	7.2	7.2	7.0	.1	2.1
SERVICES	39.8	39.5	38.4	.7	3.5
GOVERNMENT	24.4	24.4	24.7	.0	- 1.5
Local government (includes education)	18.5	18.6	18.9	- .4	- 1.9

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
MARCH 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	March 1983[b]	February 1983[c]	March 1982[c]	Mar. 1983[b]	Feb. 1983[c]	Mar. 1982[c]	Mar. 1983[b]	Feb. 1983[c]	Mar. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$506.76	$496.13	$457.08	41.1	40.6	39.1	$12.33	$12.22	$11.69
Durable Goods[d]	520.81	510.84	468.81	41.4	40.9	39.1	12.58	12.49	11.99
Stone, clay, and glass products	325.84	317.99	317.22	37.8	36.3	37.9	8.62	8.76	8.37
Primary metal industries	522.44	517.68	486.20	39.4	39.1	37.4	13.26	13.24	13.00
Blast furnace and basic steel products	518.37	513.97	503.40	37.0	36.4	37.4	14.01	14.12	13.46
Fabricated metal products	565.04	531.01	477.20	43.1	41.1	39.9	13.11	12.92	11.96
Fabricated structural metal products .	392.31	373.16	341.32	38.2	36.3	37.1	10.27	10.28	9.20
Machinery, except electrical	443.39	451.14	443.79	37.8	38.2	39.1	11.73	11.81	11.35
Metalworking machinery	454.34	459.42	453.60	39.1	39.2	40.0	11.62	11.72	11.34
Electric and electronic equipment	407.83	405.46	370.37	41.7	41.8	40.7	9.78	9.70	9.10
Transportation equipment	598.81	630.34	525.14	46.6	49.4	43.4	12.85	12.76	12.10
Nondurable Goods[e]	350.06	343.52	331.06	38.3	38.0	39.6	9.14	9.04	8.36
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	547.22	531.72	515.64	36.8	36.0	36.7	14.87	14.77	14.05
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services ..	456.12	451.13	412.17	40.4	40.1	39.9	11.29	11.25	10.33
WHOLESALE TRADE	304.44	297.16	326.98	35.4	34.0	39.3	8.60	8.74	8.32
RETAIL TRADE[f]	158.40	155.39	153.50	28.8	28.1	28.8	5.50	5.53	5.33
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education) ..	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b]Preliminary. [c]Revised. [d]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f]Money payments only, tips not included. [h]Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

BEST AVAILABLE COPY

Ohio Labor Market Information

BUREAU OF EMPLOYMENT SERVICES

JOB SERVICE OF OHIO

RICHARD F. CELESTE, *Governor*
DR. ROBERTA STEINBACHER, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
APRIL 1983

Unemployment in Ohio dropped from 688,000 in March to 653,000 in April, lowering the jobless rate from 13.7 to 12.8 percent of the civilian labor force. Total employment rose 2.2 percent, to 4,435,000. Spurred by seasonal gains in nonmanufacturing industries, nonfarm payroll employment advanced 1.0 percent, to 4,077,000.

Factory employment in Ohio totaled 1,071,000 in April, up 1.1 percent from March. New orders led to stepped-up automotive production, boosting employment in motor vehicles to its highest level in nearly a year and a half. More business also prompted recalls in metal stamping, and in basic steel. Higher employment levels in electrical equipment and plastic products reflected settlement of labor-management disputes. Layoffs, on the other hand, were reported by food canners, and by producers of general industrial machinery.

Employment in Ohio's nonmanufacturing industries rose 1.0 percent from March, to 3,006,000 in April. Much of the increase occurred as operators of amusement parks, drive-ins, and outdoor refreshment stands added summer workers. Accounting, auditing, and income tax preparation services also increased seasonally. Warmer spring weather stimulated activity among the construction trades. Government employment dipped, however, as public schools furloughed some nonfaculty personnel.

Production workers in Ohio manufacturing establishments grossed a record average of $430 per week in April, surpassing last month's high by $6. Their average workweek was extended by .3 hours, to 41.1--longest since mid-1981. Overtime increases boosted earnings in the production of various automotive components--stamped metal and plastic auto parts, hardware, and wire. Newspaper publishers reported wage-rate increases during the month. Premium overtime, coupled with wage-rate hikes, lifted earnings in the production of nonferrous castings and paperboard containers. Producers of industrial inorganic chemicals, however, reported curtailed overtime.

Jobless workers in Ohio increased by over 45,000 between April 1982 and April 1983, raising the statewide unemployment rate from 12.0 to 12.8 percent. Total employment slipped .4 percent from a year ago as nonfarm payrolls declined 1.7 percent. Job losses in nonelectrical machinery and primary metals accounted for nearly four-fifths of the drop in factory employment. Nonmanufacturing also dipped as gains among the service industries were more than offset by cutbacks elsewhere. Ohio's factory production workers averaged 1.2 hours more per week in April 1983 than in April 1982. Gross average weekly earnings climbed $32.50 over the year.

For additional Labor Market Information, write
WILLIAM PAPIER, *Director of Research and Statistics*, BUREAU OF EMPLOYMENT SERVICES, COLUMBUS 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--April nonfarm wage and salary employment in the Akron area, at 249,000, was 2,100 above March. Three-fourths of the overall increase occurred in nonmanufacturing--mainly as a result of seasonal gains in retailing, construction, and the service industries. Scattered gains raised manufacturing employment to 67,500, up 500 from March. Production workers in factories grossed $10.30 per hour--down 4¢--for a workweek of 43.3 hours, unchanged from March.

Canton.--Nonfarm establishments in Canton employed 146,700 wage and salary workers in April, up 1,600 from March. Widespread growth in nonmanufacturing (chiefly in services, retail trade, and construction), accounted for most of the advance. Gains in durable-goods industries raised manufacturing by 200, to 45,400 in April. Hourly earnings of the average production worker, at $10.39, were down 2¢ from March. The average workweek, at 39.3 hours, was .2 hours longer.

Cincinnati.--Nonagricultural establishments in Cincinnati employed 570,900 wage and salary workers in April, up 9,100 from March. Seasonal hiring in amusement services, retailing, and construction boosted nonmanufacturing. Manufacturing rose 1,100, to 143,800 in April, due primarily to increases in nondurable goods. The workweek and gross earnings of the average factory production worker, at 40.9 hours and $10.05 an hour, were up slightly from the previous month.

Cleveland.--Cleveland's nonagricultural wage and salary employment totaled 825,400 in April, up 4,600 from March. Manufacturing, at 210,800 for the month, increased marginally, as gains in durable goods were partially offset by losses in nondurable goods. Expansion in services, retail trade, and construction lifted nonmanufacturing, despite losses in local government. Average hourly earnings of factory production workers increased 3¢, to $10.28 an hour. Their average workweek, at 40.4 hours, was .3 hours longer.

Columbus.--Nonfarm establishments in Columbus employed 497,700 wage and salary workers in April, up 3,500 from March. Most of the increase occurred in nonmanufacturing, largely as a result of seasonal hiring in services and retail trade. Recalls by producers of durable goods boosted manufacturing to 86,700, up 800 for the month. Earnings of factory production workers rose 11¢, to $9.87 an hour. Their workweek averaged 40.4 hours, on par with March.

Dayton.--Workers on nonfarm payrolls in Dayton totaled 333,600 in April, up 1,300 from March. Manufacturing advanced 700, to 85,800 for the month. Seasonal increases in most component industries lifted nonmanufacturing in April. Hourly earnings of factory production workers rose 4¢, to $10.35 an hour. The average workweek, at 41.2 hours, was .4 hours longer than in March.

Toledo.--Toledo's nonagricultural wage and salary employment rose 4,800 from March, to 279,200 in April. Recalls of workers in the motor vehicles industry, augmented by settlement of a labor-management dispute in electrical machinery, lifted manufacturing by 3,200, to 65,900 for the month. Seasonal hiring was largely responsible for growth in nonmanufacturing. The workweek for the average factory production worker, at 42.5 hours, was up .5 hours from March. Average hourly earnings, at $11.10, were up 11¢ from the previous month.

Youngstown-Warren.--April nonfarm payroll employment in the Youngstown-Warren area totaled 181,400, up 1,900 from March. Expansion in services, retailing, and construction raised nonmanufacturing employment. Manufacturing rose 900, to 54,600 in April, due to gains in durable-goods industries. Production workers in factories grossed $12.22 per hour for a workweek of 41.0 hours in April--little changed from March averages.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 5-17-83

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)								
1972	248.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	600.6	895.6	509.8	355.7	293.1	203.1
1981	259.6	156.6	592.2	880.7	506.6	352.5	290.9	198.7
1982	250.8	149.7	575.5	847.5	497.9	337.0	282.2	182.2
1982								
April ...	251.1	150.4	576.1	848.7	496.1	337.0	282.7	181.7
May	254.3	151.2	580.7	854.5	498.3	337.6	286.0	185.9
June	249.5	152.2	584.0	859.3	501.1	338.7	285.7	186.4
July	248.4	151.2	573.5	850.7	493.6	333.9	277.7	182.5
August ..	248.3	150.5	574.2	846.7	494.4	332.2	278.9	178.6
September	253.0	150.3	580.3	846.0	497.3	338.9	285.2	182.4
October .	252.5	148.3	579.0	842.3	503.5	338.1	285.5	180.9
November.	251.7	147.9	576.9	840.5	503.8	335.7	284.6	177.3
December.	250.4	147.3	574.8	837.3	504.0	336.4	282.8	177.8
1983								
January .	243.4	144.5	561.1	815.6	491.5	330.3	277.4	175.6
February.	245.9	144.6	558.8	816.5	492.0	330.6	275.8	176.2
March ...	247.0	145.0	561.7	820.8	494.2	332.3	274.4	179.5
April ...	249.0	146.7	570.9	825.4	497.7	333.6	279.2	181.4
MANUFACTURING EMPLOYMENT (in thousands)								
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.6	79.9
1980	79.1	55.7	162.4	254.9	96.8	99.4	75.4	70.8
1981	75.7	54.8	157.3	246.8	93.1	97.8	74.6	67.3
1982	68.8	48.2	147.2	224.1	86.7	87.9	68.8	53.4
1982								
April ...	70.1	49.1	147.2	228.5	86.4	88.6	69.4	53.4
May	69.7	48.8	147.5	227.7	86.2	88.4	69.9	55.4
June	69.5	49.5	148.6	227.4	86.6	88.7	70.1	55.3
July	68.1	48.9	146.3	223.5	86.4	88.5	68.1	54.4
August ..	67.9	48.5	147.0	221.1	86.2	86.4	69.8	50.6
September	68.3	47.9	147.9	222.3	86.5	87.6	70.1	52.8
October .	67.4	45.8	147.0	216.1	86.3	85.8	67.4	51.4
November.	66.5	45.2	147.0	213.7	85.7	82.9	66.8	47.6
December.	65.3	44.7	145.0	210.3	84.6	83.4	65.4	48.6
1983								
January .	66.2	45.0	143.8	210.3	84.7	84.0	66.4	50.0
February.	67.1	45.3	142.6	210.5	85.8	84.7	65.5	50.9
March ...	67.0	45.2	142.7	210.7	85.9	85.1	62.7	53.7
April ...	67.5	45.4	143.8	210.8	86.7	85.8	65.9	54.6

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1972	53.5	42.2	110.7	188.7	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.7	39.6	103.5	161.8	61.3	64.4	49.2	50.8
1982	37.2	33.7	96.1	142.5	55.6	55.8	45.1	38.5
1982								
April ...	38.4	34.1	95.8	145.7	55.6	56.5	45.5	38.6
May	38.1	34.2	96.5	145.2	55.2	56.3	45.9	40.1
June	37.7	35.1	97.6	145.2	55.7	56.7	46.2	40.3
July	36.4	34.4	95.4	142.0	55.5	56.3	44.3	39.4
August ..	36.2	34.0	95.9	139.9	55.3	54.3	46.0	35.8
September	36.8	33.6	97.0	142.0	55.4	55.6	46.6	37.8
October .	36.2	31.8	96.4	136.6	55.0	54.1	44.2	36.6
November.	35.3	31.4	96.5	135.0	54.3	51.4	43.8	33.5
December.	34.5	30.8	94.5	132.1	53.4	52.1	42.5	34.3
1983								
January .	35.4	31.2	93.3	132.0	53.6	52.6	43.5	35.6
February.	36.2	31.5	92.2	132.4	54.6	53.3	42.7	36.4
March ...	36.2	31.6	92.4	132.7	54.7	53.7	40.0	39.0
April ...	36.7	31.8	93.3	133.0	55.5	54.4	43.1	39.9
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.8
1982	41.0	38.6	40.5	39.9	39.8	40.0	41.1	39.3
1982								
April ...	40.8	38.8	40.2	40.1	39.4	39.8	40.3	38.6
May	41.0	38.8	40.6	40.5	39.7	40.0	41.0	39.3
June	41.5	39.2	41.0	41.0	40.1	41.2	41.8	40.1
July	41.0	36.7	40.4	40.0	39.4	41.1	41.8	39.4
August ..	40.2	38.3	40.7	40.1	39.6	40.3	41.4	37.9
September	41.0	39.1	40.5	39.6	39.8	39.8	41.8	39.5
October .	40.5	38.3	40.2	39.2	39.7	39.3	41.3	39.3
November.	41.2	38.3	41.4	39.2	40.3	39.2	41.3	39.6
December.	41.6	39.1	41.5	39.9	40.5	40.3	41.1	40.3
1983								
January .	42.5	38.7	40.4	39.8	39.9	40.0	41.5	40.1
February.	42.5	38.6	40.4	39.8	40.0	40.2	41.6	40.6
March ...	43.3	39.1	40.8	40.1	40.4	40.8	42.0	41.1
April ...	43.3	39.3	40.9	40.4	40.4	41.2	42.5	41.0

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1972	$4.68	$4.48	$4.15	$4.50	$4.06	$4.74	$4.67	$4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1982	9.83	10.22	9.57	10.10	9.31	10.02	10.89	11.72
1982								
April ...	9.80	10.08	9.44	9.99	9.18	9.94	10.80	11.59
May	9.80	10.13	9.54	10.12	9.27	10.06	10.91	11.70
June	9.81	10.25	9.64	10.25	9.31	10.33	10.98	11.71
July	9.68	10.05	9.66	10.22	9.37	10.28	11.06	11.85
August ..	9.79	10.35	9.62	10.18	9.40	10.05	10.91	11.64
September	9.91	10.39	9.68	10.26	9.47	10.08	10.93	11.75
October .	9.92	10.46	9.65	10.15	9.49	10.01	11.01	11.58
November.	9.95	10.44	9.78	10.19	9.50	9.89	11.01	11.65
December.	10.06	10.52	9.84	10.26	9.57	10.05	11.00	12.01
1983								
January .	10.21	10.56	9.85	10.29	9.62	10.16	11.10	12.00
February.	10.21	10.62	9.93	10.28	9.70	10.23	11.12	12.22
March ...	10.34	10.41	10.01	10.25	9.76	10.31	10.99	12.21
April ...	10.30	10.39	10.05	10.28	9.87	10.35	11.10	12.22
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1972	$197.03	$181.89	$173.89	$190.35	$164.02	$201.45	$196.14	$201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	395.38	346.80	397.85	406.14	474.10
1982	403.03	394.49	387.59	402.99	370.54	400.80	447.58	460.60
1982								
April ...	399.84	391.10	379.49	400.60	361.69	395.61	435.24	447.37
May	401.80	393.04	387.32	409.86	368.02	402.40	447.31	459.81
June	407.12	401.80	395.24	420.25	373.33	425.60	458.96	469.57
July	396.88	368.84	390.26	408.80	369.18	422.51	462.31	466.89
August ..	393.56	396.41	391.53	408.22	372.24	405.02	451.67	441.16
September	406.31	406.25	392.04	406.30	376.91	401.18	456.87	464.13
October .	401.76	400.62	387.93	397.88	376.75	393.39	454.71	455.09
November.	409.94	399.85	404.89	399.45	382.85	387.69	454.71	461.34
December.	418.50	411.33	408.36	409.37	387.59	405.02	452.10	484.00
1983								
January .	433.93	408.67	397.94	409.54	383.84	406.40	460.65	481.20
February.	433.93	409.93	401.17	409.14	388.00	411.25	462.59	496.13
March ...	447.72	407.03	408.41	411.03	394.30	420.65	461.58	501.83
April ...	445.99	408.33	411.05	415.31	398.75	426.42	471.75	501.02

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
AKRON[b]					CANTON[c]				
1972	282.2	267.3	14.8	5.3	1972	165.6	155.3	10.3	6.2
1973	287.1	274.9	12.2	4.3	1973	171.2	163.1	8.1	4.7
1974	290.8	277.7	13.0	4.5	1974	175.6	167.5	8.1	4.6
1975	292.0	264.3	27.7	9.5	1975	174.7	158.0	16.7	9.6
1976	291.3	266.3	25.0	8.6	1976	174.4	158.6	15.8	9.1
1977	294.2	274.7	19.5	6.6	1977	175.9	163.1	12.9	7.3
1978	298.9	282.2	16.7	5.6	1978	179.9	170.0	9.9	5.5
1979	303.8	285.4	18.4	6.1	1979	184.3	173.7	10.6	5.7
1980	304.5	278.3	26.2	8.6	1980	187.7	170.9	16.8	8.9
1981	304.1	274.9	29.1	9.6	1981	188.4	170.1	18.2	9.7
1982	305.8	269.4	36.4	11.9	1982	192.5	165.1	27.4	14.3
1982					1982				
March	301.4	266.0	35.4	11.7	March	187.9	162.2	25.7	13.7
April	301.8	267.7	34.1	11.3	April	189.5	164.7	24.8	13.1
May	304.3	273.2	31.1	10.2	May	190.4	167.0	23.4	12.3
June	308.7	273.1	35.6	11.5	June	196.6	170.6	26.1	13.3
July	313.7	276.1	37.6	12.0	July	201.2	172.0	29.2	14.5
August	312.7	275.0	37.7	12.1	August	199.7	170.6	29.1	14.6
September ...	308.5	272.2	36.3	11.8	September ..	193.0	166.4	26.6	13.8
October	309.3	271.0	38.3	12.4	October	195.8	163.9	31.8	16.3
November	304.7	264.7	39.9	13.1	November ...	192.9	160.0	32.9	17.1
December	304.5	262.9	41.6	13.7	December ...	191.0	159.0	32.0	16.8
1983					1983				
January	296.9	252.3	44.6	15.0	January	187.4	153.9	33.5	17.9
February	297.1	254.7	42.5	14.3	February ...	186.5	154.0	32.5	17.4
March[p]	302.2	261.7	40.4	13.4	March[p]	188.8	157.7	31.1	16.5
CINCINNATI[d]					CLEVELAND[e]				
1972	561.0	529.0	32.0	5.7	1972	873.2	825.2	48.0	5.5
1973	572.0	543.0	29.0	5.1	1973	883.9	849.0	34.9	3.9
1974	595.3	569.8	25.5	4.3	1974	899.1	861.4	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	896.9	826.3	70.6	7.9
1976	604.8	566.6	38.2	6.3	1976	897.7	834.4	63.3	7.0
1977	623.4	588.7	34.7	5.6	1977	908.5	854.4	54.0	5.9
1978	648.3	615.8	32.5	5.0	1978	921.7	878.5	43.2	4.7
1979	663.4	628.1	35.3	5.3	1979	935.8	889.1	46.7	5.0
1980	676.2	628.6	47.5	7.0	1980	937.1	869.1	68.0	7.3
1981	678.6	619.2	59.5	8.8	1981	933.9	854.0	79.8	8.5
1982	682.0	610.4	71.6	10.5	1982	933.7	833.8	100.0	10.7
1982					1982				
March	671.7	598.4	73.2	10.9	March	918.3	824.3	93.9	10.2
April	676.0	607.3	68.7	10.2	April	919.4	829.4	90.0	9.8
May	681.8	616.6	65.1	9.6	May	929.6	841.7	87.9	9.5
June	700.2	627.0	73.2	10.5	June	963.3	858.4	104.9	10.9
July	698.6	625.4	73.3	10.5	July	967.4	862.9	104.5	10.8
August	696.2	624.3	71.8	10.3	August	963.1	855.8	107.3	11.1
September ...	684.5	617.2	67.3	9.8	September ..	934.4	833.4	100.9	10.8
October	690.0	614.8	75.2	10.9	October	939.9	829.2	110.7	11.8
November	677.5	602.5	75.0	11.1	November ...	926.6	811.3	115.3	12.4
December	673.3	598.8	74.5	11.1	December ...	921.5	807.1	114.3	12.4
1983					1983				
January	INA	INA	INA	INA	January	895.2	776.5	118.7	13.3
February	INA	INA	INA	INA	February ...	893.4	776.7	116.7	13.1
March	INA	INA	INA	INA	March[p]	913.7	798.3	115.5	12.6

---

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary.
INA—Information not available.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
		COLUMBUS[f]					DAYTON[g]		
1972	469.1	450.2	18.9	4.0	1972	353.5	336.2	17.3	4.9
1973	485.5	468.3	17.1	3.5	1973	358.0	343.5	14.5	4.1
1974	495.4	475.5	19.9	4.0	1974	359.5	342.5	17.0	4.7
1975	495.0	458.6	36.5	7.4	1975	357.6	327.7	29.9	8.4
1976	503.6	468.5	35.1	7.0	1976	360.5	336.3	24.2	6.7
1977	513.4	483.3	30.1	5.9	1977	368.6	348.3	20.3	5.5
1978	531.4	506.5	24.9	4.7	1978	381.1	363.7	17.3	4.6
1979	543.0	517.1	25.8	4.8	1979	392.2	367.9	24.2	6.2
1980	554.7	523.4	31.4	5.7	1980	390.2	361.0	29.2	7.5
1981	562.4	519.1	43.3	7.7	1981	390.8	357.9	32.8	8.4
1982	568.8	518.0	50.8	8.9	1982	391.1	347.0	44.2	11.3
1982					1982				
March	559.2	508.3	50.9	9.1	March	388.0	342.4	45.6	11.8
April	562.8	512.5	50.3	8.9	April	388.7	344.9	43.8	11.3
May	566.7	519.3	47.4	8.4	May	389.1	348.5	40.7	10.4
June	584.7	531.7	52.9	9.1	June	401.2	354.8	46.4	11.6
July	582.9	530.8	52.1	8.9	July	400.1	355.1	45.0	11.2
August	582.4	529.3	53.1	9.1	August	396.3	351.7	44.6	11.3
September ...	568.2	518.8	49.4	8.7	September ..	391.7	349.6	42.1	10.7
October	574.9	523.8	51.2	8.9	October	393.4	348.3	45.2	11.5
November	567.1	513.4	53.6	9.5	November ...	386.5	338.7	47.8	12.4
December	564.0	512.3	51.8	9.2	December ...	385.3	338.5	46.8	12.1
1983					1983				
January	548.2	492.8	55.4	10.1	January	375.8	327.8	47.9	12.8
February	547.5	493.6	53.9	9.9	February ...	374.6	328.3	46.3	12.4
March[p]	561.1	507.3	53.8	9.6	March[p]	381.7	337.5	44.2	11.6
		TOLEDO[h]					YOUNGSTOWN-WARREN[i]		
1972	329.4	311.3	18.1	5.5	1972	226.9	212.1	14.8	6.5
1973	339.8	324.2	15.6	4.6	1973	232.5	221.8	10.8	4.6
1974	343.8	324.2	19.7	5.7	1974	236.7	223.7	13.0	5.5
1975	344.8	310.2	34.6	10.0	1975	236.7	209.8	26.9	11.4
1976	347.8	319.4	28.4	8.2	1976	234.2	210.5	23.7	10.1
1977	355.0	329.4	25.6	7.2	1977	234.0	215.0	19.0	8.1
1978	362.1	339.7	22.4	6.2	1978	235.2	217.5	17.7	7.5
1979	368.2	341.7	26.4	7.2	1979	237.1	219.9	17.1	7.2
1980	368.2	329.8	38.4	10.4	1980	238.9	210.5	28.4	11.9
1981	367.4	328.0	39.4	10.7	1981	234.0	205.7	28.2	12.1
1982	368.7	322.7	46.1	12.5	1982	237.7	191.5	46.2	19.4
1982					1982				
March	360.4	314.2	46.2	12.8	March	231.7	190.3	41.5	17.9
April	364.1	320.3	43.8	12.0	April	236.0	189.6	46.5	19.7
May	367.5	328.0	39.5	10.7	May	236.4	195.5	41.0	17.3
June	377.9	333.0	44.9	11.9	June	244.4	199.0	45.4	18.6
July	376.7	329.8	46.9	12.5	July	242.8	197.9	44.9	18.5
August	374.0	329.1	44.9	12.0	August	245.6	193.4	51.2	21.2
September ...	371.8	327.0	44.8	12.1	September ..	238.0	192.3	45.7	19.2
October	374.3	326.6	47.7	12.8	October	239.2	190.6	48.5	20.3
November	367.5	318.9	48.6	13.2	November ...	237.7	183.0	54.7	23.0
December	368.8	316.2	52.6	14.3	December ...	234.2	183.1	51.1	21.8
1983					1983				
January	359.5	307.3	52.2	14.5	January	226.6	178.1	48.4	21.4
February	360.3	306.6	53.7	14.9	February ...	223.8	178.7	45.1	20.1
March[p]	365.9	310.8	55.1	15.0	March[p]	227.8	186.2	41.7	18.3

---

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1972	4,510	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,087	4,660	426	8.4	7.1
1981	5,099	4,607	492	9.6	7.6
1982	5,122	4,481	640	12.5	9.7
1982					
April ...	5,061	4,454	607	12.0	9.2
May	5,103	4,536	568	11.1	9.1
June	5,264	4,619	645	12.3	9.8
July	5,274	4,628	646	12.2	9.8
August ..	5,249	4,590	659	12.5	9.6
September	5,136	4,505	631	12.3	9.7
October .	5,177	4,494	683	13.2	9.9
November.	5,088	4,378	710	14.0	10.4
December.	5,058	4,344	714	14.1	10.5
1983					
January .	4,942	4,204	738	14.9	11.4
February.	4,925	4,212	713	14.5	11.3
March ...	5,027	4,339	688	13.7	10.8
April ...	5,088	4,435	653	12.8	10.0

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.3	3,103.0
1981	4,317.6	1,232.6	3,085.1
1982	4,138.7	1,103.6	3,035.1
1982			
April	4,146.1	1,117.3	3,028.8
May	4,180.9	1,116.5	3,064.4
June	4,191.6	1,119.3	3,072.3
July	4,131.3	1,104.6	3,026.7
August	4,116.7	1,093.2	3,023.5
September .	4,153.3	1,100.5	3,052.8
October ...	4,139.2	1,073.5	3,065.7
November ..	4,121.4	1,056.9	3,064.5
December ..	4,102.5	1,043.9	3,058.6
1983			
January ...	4,012.3	1,051.7	2,960.6
February ..	4,015.0	1,056.2	2,958.8
March	4,036.2	1,059.4	2,976.8
April	4,076.5	1,071.0	3,005.5

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.6	726.6	203.8	830.9	689.9
1981	30.7	153.7	217.2	232.5	717.7	205.8	851.5	676.0
1982	30.7	135.5	207.6	229.3	707.3	206.4	859.7	658.6
1982								
April ...	31.0	129.5	207.3	229.1	699.1	204.9	856.1	671.8
May	31.3	139.2	209.6	229.8	709.8	205.8	862.7	676.2
June	31.4	142.9	211.0	230.1	714.2	208.0	871.2	663.5
July	31.1	146.1	209.9	229.7	710.8	208.9	867.5	622.8
August ..	30.1	147.7	209.3	229.4	712.5	208.4	869.2	616.8
September	31.0	147.3	208.4	229.1	715.0	207.2	874.8	640.0
October .	30.3	147.2	206.1	229.4	710.7	206.5	871.4	664.1
November.	30.3	142.2	204.6	229.0	718.4	206.8	865.8	667.3
December.	29.0	129.5	203.6	229.0	730.4	207.3	861.7	668.2
1983								
January .	28.6	112.8	195.5	226.3	687.3	205.8	847.0	657.3
February.	28.1	108.8	194.7	225.3	675.0	205.5	853.5	668.0
March ...	27.3	112.7	195.0	226.1	680.4	205.8	859.6	669.9
April ...	27.7	118.6	195.6	226.9	691.8	206.5	873.1	665.2

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures. All data exclude military personnel.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1972	1,346.8	948.8	398.0	979.2	$181.3	40.7
1973	1,426.3	1,018.2	408.1	1,046.7	210.8	44.3
1974	1,416.6	1,013.1	403.5	1,028.7	217.4	42.4
1975	1,267.5	892.4	375.1	897.8	201.5	36.2
1976	1,295.3	910.6	384.6	926.1	233.9	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.3	882.6	381.8	867.8	301.9	35.2
1981	1,232.6	860.4	372.2	847.7	330.4	34.7
1982	1,103.6	755.4	348.3	738.1	298.0	29.6
1982						
April ...	1,117.3	769.3	348.1	749.7	298.2	29.9
May	1,116.5	767.4	349.1	748.8	302.2	30.1
June	1,119.3	768.8	350.5	752.5	311.5	30.6
July	1,104.6	756.9	347.6	738.6	301.2	29.6
August ..	1,093.2	743.3	349.9	728.4	294.6	29.1
September	1,100.5	748.3	352.2	736.6	302.5	29.7
October .	1,073.5	728.5	345.0	712.1	288.1	28.4
November.	1,056.9	713.1	343.8	698.2	285.5	28.1
December.	1,043.9	701.7	342.2	687.1	286.7	28.0
1983						
January .	1,051.7	712.5	339.2	695.0	288.5	28.0
February.	1,056.2	715.7	340.5	700.2	293.6	28.3
March ...	1,059.4	719.1	340.3	703.7	298.6	28.7
April ...	1,071.0	729.5	341.5	715.3	307.8	29.4

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1972	$185.12	$190.19	$172.60	41.6	41.8	40.9	$4.45	$4.55	$4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1982	403.81	414.80	378.95	40.1	40.0	40.4	10.07	10.37	9.38
1982									
April ...	397.80	407.55	374.00	39.9	39.8	40.0	9.97	10.24	9.35
May	403.61	414.63	377.21	40.2	40.1	40.3	10.04	10.34	9.36
June	413.92	426.54	381.92	40.7	40.7	40.5	10.17	10.48	9.43
July	407.82	419.60	379.22	40.1	40.0	40.3	10.17	10.49	9.41
August ..	404.40	415.51	379.89	40.0	39.8	40.5	10.11	10.44	9.38
September	410.66	421.60	385.28	40.3	40.0	40.9	10.19	10.54	9.42
October .	404.59	416.31	378.95	39.9	39.8	40.1	10.14	10.46	9.45
November.	408.83	418.80	387.06	40.2	40.0	40.7	10.17	10.47	9.51
December.	417.18	429.14	390.46	40.7	40.6	40.8	10.25	10.57	9.57
1983									
January .	415.09	427.99	387.03	40.3	40.3	40.4	10.30	10.62	9.58
February.	419.35	433.76	386.72	40.4	40.5	40.2	10.38	10.71	9.62
March ...	424.32	437.38	393.01	40.8	40.8	40.6	10.40	10.72	9.68
April ...	430.32	444.55	396.58	41.1	41.2	40.8	10.47	10.79	9.72

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.7	67.4	92.7
1981	61.0	138.3	154.9	204.2	101.9	136.9	69.2	66.1	89.0
1982	54.1	113.3	135.0	179.3	93.2	122.0	66.9	63.2	80.7
1982									
April ...	54.2	117.9	138.3	185.9	94.4	119.9	65.5	63.9	81.5
May	54.6	115.7	137.4	182.9	94.2	123.8	65.9	63.9	81.9
June	55.3	115.9	137.0	180.6	94.9	125.8	67.1	63.5	82.2
July	55.5	113.8	133.9	176.6	94.1	124.5	67.0	62.6	81.0
August ..	54.7	112.6	131.9	175.3	92.6	117.1	69.7	62.3	80.6
September	55.0	111.4	133.0	174.1	92.0	123.3	70.9	62.3	80.7
October .	54.6	104.2	129.5	168.3	90.8	121.6	67.7	62.0	78.0
November.	53.1	100.8	128.0	166.1	90.1	117.5	66.6	62.2	78.3
December.	50.3	98.1	127.0	163.4	85.6	120.5	66.3	61.8	77.6
1983									
January .	50.2	100.2	128.3	163.2	89.5	125.1	63.9	61.6	78.0
February.	50.4	102.6	130.1	161.7	88.7	126.1	64.3	61.7	79.3
March ...	50.8	105.4	129.5	160.6	87.9	127.9	64.0	61.8	79.3
April ...	52.4	106.6	131.0	160.6	90.2	130.9	63.6	61.7	80.4
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1972	$175.14	$204.61	$187.87	$193.46	$164.42	$219.99	$173.43	$187.21	$180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	252.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	358.45	381.11
1982									
April ...	368.15	473.14	397.79	387.68	364.05	493.07	380.42	352.08	376.14
May	372.20	473.07	400.57	387.29	366.96	522.22	385.40	358.45	380.55
June	379.86	495.67	408.18	401.79	366.16	541.37	390.45	354.52	395.37
July	380.14	488.71	405.73	390.04	358.75	528.24	385.02	351.50	385.70
August ..	380.83	496.98	399.35	391.24	365.98	502.18	389.06	351.22	385.15
September	393.65	492.35	401.32	394.18	364.94	528.58	400.26	357.27	380.57
October .	386.78	477.98	401.37	399.78	374.46	502.94	387.28	355.15	368.54
November.	387.69	478.37	407.42	393.39	374.14	518.13	393.71	364.65	380.70
December.	391.35	488.67	420.65	405.42	383.60	526.87	402.66	374.74	388.69
1983									
January .	385.01	486.16	427.00	401.37	380.09	517.33	391.68	370.02	392.22
February.	381.35	500.47	433.78	405.38	379.20	529.44	384.87	362.36	397.57
March ...	387.32	487.71	441.56	407.82	380.25	543.26	389.50	371.14	406.27
April ...	391.96	490.59	457.69	412.48	386.16	550.07	396.06	371.51	413.22

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
APRIL 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	April 1983[b]	March 1983[c]	April 1982[c]	March 1983	April 1982
TOTAL	4076.5	4036.2	4146.1	1.0	- 1.7
MANUFACTURING	1071.0	1059.4	1117.3	1.1	- 4.1
Durable Goods[e]	729.5	719.1	769.3	1.4	- 5.2
Lumber and wood products	12.2	11.9	12.1	2.9	1.3
Furniture and fixtures	13.3	12.9	13.8	2.6	- 4.0
Household furniture	6.2	5.9	6.5	5.6	- 4.0
Stone, clay, and glass products	52.4	50.8	54.2	3.0	- 3.3
Glass and glassware, pressed or blown	14.2	14.1	14.2	.8	.6
Structural clay products	4.9	4.6	4.9	6.0	- .6
Pottery and related products	5.5	5.4	5.5	1.0	- .2
Primary metal industries	106.6	105.4	117.9	1.1	- 9.6
Blast furnace and basic steel products	54.2	53.4	61.4	1.6	- 11.6
Iron and steel foundries	20.8	20.7	24.4	.5	- 14.8
Nonferrous rolling and drawing	17.8	17.7	17.3	.1	2.6
Nonferrous foundries	8.3	8.2	8.5	1.7	- 2.8
Fabricated metal products	131.0	129.5	138.3	1.1	- 5.3
Cutlery, hand tools, and hardware	11.2	11.1	11.4	1.2	- 1.6
Plumbing and heating, except electric.	4.0	4.1	4.3	- 1.5	- 4.8
Fabricated structural metal products	30.4	30.1	31.7	1.2	- 3.9
Screw machine products, bolts, etc.	8.6	8.6	9.6	.9	- 10.5
Metal forgings and stampings	37.9	37.1	39.5	2.1	- 4.0
Machinery, except electrical	160.6	160.6	185.9	.0	- 13.6
Construction and related machinery	17.1	17.0	23.0	.7	- 25.7
Metalworking machinery	40.1	40.3	48.9	- .5	- 17.9
Special industry machinery	17.5	17.4	19.1	.7	- 8.1
General industrial machinery	31.5	31.8	36.5	- 1.1	- 13.7
Electric and electronic equipment	90.2	87.9	94.4	2.7	- 4.4
Electrical industrial apparatus	18.9	18.9	22.1	- .2	- 14.5
Household appliances	15.5	14.6	14.7	6.5	5.6
Electric lighting and wiring equipment	18.2	17.9	18.9	1.4	- 4.0
Communication equipment	10.3	10.4	10.6	- .2	- 2.5
Transportation equipment	130.9	127.9	119.9	2.3	9.2
Motor vehicles and equipment	86.2	83.5	77.0	3.2	11.9
Aircraft and parts	36.3	36.2	35.0	.3	3.8
Instruments and related products	19.7	19.7	19.7	.1	- .2
Measuring and controlling devices	11.9	11.9	12.1	.1	- 1.7
Nondurable Goods[f]	341.5	340.3	348.1	.3	- 1.9
Food and kindred products	63.6	64.0	65.5	- .7	- 2.8
Meat products	10.2	10.1	11.0	.7	- 7.5
Dairy products	10.8	10.8	10.9	.4	- .7
Bakery products	10.0	9.8	10.4	1.8	- 3.6
Beverages	10.6	10.7	10.7	- 1.3	- .9
Textile mill products	4.1	4.1	4.4	1.7	- 5.0
Apparel and other textile products	16.7	16.7	16.3	- .2	2.1
Paper and allied products	34.7	34.5	35.9	.7	- 3.4
Paper mills, except building paper	8.8	8.8	9.3	.3	- 4.5
Misc. converted paper products	11.3	11.2	11.6	.8	- 2.0
Paperboard containers and boxes	11.4	11.3	11.7	.7	- 2.6
Printing and publishing	61.7	61.8	63.9	- .2	- 3.5
Newspapers	18.2	18.2	19.3	.0	- 5.4
Commercial printing	22.2	22.3	23.4	- .3	- 5.1
Chemicals and allied products	64.9	64.7	65.7	.4	- 1.1
Industrial inorganic chemicals	12.3	12.3	12.4	- .1	- 1.0
Plastics materials and synthetics	9.0	9.0	9.2	.2	- 1.9
Petroleum and coal products	9.5	9.4	9.2	1.1	4.0
Rubber and misc. plastics products	80.4	79.3	81.5	1.4	- 1.4
Tires and inner tubes	20.8	20.8	22.9	.1	- 9.2
Miscellaneous plastics products	40.8	39.6	39.5	3.1	3.4
Leather and leather products	5.7	5.7	5.5	.1	2.7

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
APRIL 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1983[b]	March 1983[c]	April 1982[c]	Apr. 1983[b]	Mar. 1983[c]	Apr. 1982[c]	Apr. 1983[b]	Mar. 1983[c]	Apr. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$430.32	$424.32	$397.80	41.1	40.8	39.9	$10.47	$10.40	$ 9.97
Durable Goods[d]	444.55	437.38	407.55	41.2	40.8	39.8	10.79	10.72	10.24
Lumber and wood products	298.69	291.46	272.52	40.2	39.6	38.6	7.43	7.36	7.06
Furniture and fixtures	315.47	321.36	288.64	41.4	41.2	38.9	7.62	7.80	7.42
Household furniture	280.69	287.94	253.16	41.4	40.9	38.3	6.78	7.04	6.61
Stone, clay, and glass products	391.96	387.32	368.15	41.0	40.6	40.5	9.56	9.54	9.09
Glass and glassware, pressed or blown.	413.29	405.11	362.90	40.4	39.6	38.2	10.23	10.23	9.50
Structural clay products	307.75	293.04	297.09	42.1	40.7	42.2	7.31	7.20	7.04
Pottery and related products	321.56	309.50	296.00	38.1	38.4	37.9	8.44	8.06	7.81
Primary metal industries	490.59	487.71	473.14	39.5	39.3	39.2	12.42	12.41	12.07
Blast furnace and basic steel products	493.88	493.68	503.81	37.5	37.4	38.4	13.17	13.20	13.12
Iron and steel foundries	488.68	491.52	454.72	41.1	41.2	40.6	11.89	11.93	11.20
Nonferrous rolling and drawing	530.88	512.50	472.33	42.1	41.0	39.1	12.61	12.50	12.08
Nonferrous foundries	386.04	376.38	336.76	41.2	41.0	39.9	9.37	9.18	8.44
Fabricated metal products	457.69	441.56	397.79	42.3	41.5	39.7	10.82	10.64	10.02
Cutlery, hand tools, and hardware	468.54	435.05	383.68	41.1	39.3	38.6	11.40	11.07	9.94
Plumbing and heating, except electric.	333.08	329.67	338.43	39.7	39.2	38.9	8.39	8.41	8.70
Fabricated structural metal products .	417.73	414.34	350.10	41.4	41.6	38.6	10.09	9.96	9.07
Screw machine products, bolts, etc. ..	373.98	375.32	335.34	40.3	40.4	38.5	9.28	9.29	8.71
Metal forgings and stampings	555.59	524.78	482.30	44.2	42.7	40.7	12.57	12.29	11.85
Machinery, except electrical	412.48	407.82	387.68	40.4	40.1	39.6	10.21	10.17	9.79
Construction and related machinery ...	391.55	389.64	394.00	38.5	38.2	39.4	10.17	10.20	10.00
Metalworking machinery	403.52	397.88	379.47	39.6	39.2	39.0	10.19	10.15	9.73
Special industry machinery	390.91	400.31	368.34	40.3	41.1	40.3	9.70	9.74	9.14
General industrial machinery	411.68	403.20	382.91	40.6	40.0	38.6	10.14	10.08	9.92
Electric and electronic equipment	386.16	380.25	364.05	40.1	39.9	39.7	9.63	9.53	9.17
Electrical industrial apparatus	352.43	352.47	349.95	38.1	37.9	39.1	9.25	9.30	8.95
Household appliances	404.40	411.67	366.21	40.4	40.8	39.0	10.01	10.09	9.39
Electric lighting and wiring equipment	377.51	371.49	363.12	40.9	40.6	40.8	9.23	9.15	8.90
Communication equipment	417.28	412.40	393.35	40.2	40.0	39.1	10.38	10.31	10.06
Transportation equipment	550.07	543.26	493.07	43.9	43.6	41.4	12.53	12.46	11.91
Motor vehicles and equipment	576.23	564.96	515.02	44.6	44.0	41.4	12.92	12.84	12.44
Aircraft and parts	490.36	495.32	435.90	42.2	42.7	40.7	11.62	11.60	10.71
Instruments and related products	300.56	296.04	278.74	39.6	38.3	38.8	7.59	7.63	7.24
Measuring and controlling devices	297.96	296.07	279.55	39.0	38.5	38.4	7.64	7.69	7.28
Nondurable Goods[e]	396.58	393.01	374.00	40.8	40.6	40.0	9.72	9.68	9.35
Food and kindred products	396.06	389.50	380.42	41.0	40.7	40.6	9.66	9.57	9.37
Meat products	399.80	403.56	410.04	39.9	40.6	40.2	10.02	9.94	10.20
Dairy products	394.31	389.48	376.66	43.0	42.8	42.9	9.17	9.10	8.78
Bakery products	399.60	396.60	358.90	40.0	39.7	38.8	9.99	9.99	9.25
Beverages	350.84	346.37	343.78	39.2	38.7	39.2	8.95	8.95	8.77
Textile mill products	281.91	281.16	277.30	39.1	39.6	40.6	7.21	7.10	6.83
Apparel and other textile products	227.67	224.84	213.53	36.9	36.5	36.5	6.17	6.16	5.85
Paper and allied products	409.19	405.22	391.78	43.3	43.2	43.1	9.45	9.38	9.09
Paper mills, except building paper ...	494.34	493.56	532.84	45.9	45.7	49.2	10.77	10.80	10.83
Misc. converted paper products	361.99	356.12	334.53	41.8	41.7	40.5	8.66	8.54	8.26
Paperboard containers and boxes	379.06	370.40	339.42	42.4	41.9	40.6	8.94	8.84	8.36
Printing and publishing	371.51	371.14	352.08	37.3	37.3	37.1	9.96	9.95	9.49
Newspapers	324.48	318.08	328.58	32.0	32.0	32.5	10.14	9.94	10.11
Commercial printing	383.85	385.54	362.33	38.5	38.4	38.1	9.97	10.04	9.51
Chemicals and allied products	441.72	444.55	406.22	40.9	41.2	40.3	10.80	10.79	10.08
Industrial inorganic chemicals	462.58	476.94	432.14	40.9	41.8	41.0	11.31	11.41	10.54
Plastics materials and synthetics	481.50	475.15	442.23	43.3	43.0	42.4	11.12	11.05	10.43
Petroleum and coal products	635.15	624.96	598.31	44.2	43.4	43.8	14.37	14.40	13.66
Rubber and misc. plastics products	413.22	406.27	376.14	42.6	42.1	40.1	9.70	9.65	9.38
Tires and inner tubes	541.95	541.14	527.85	43.6	43.5	42.5	12.43	12.44	12.42
Miscellaneous plastics products	405.13	395.22	339.68	42.6	42.0	38.6	9.51	9.41	8.80
Leather and leather products	214.48	206.77	192.31	38.3	37.8	36.7	5.60	5.47	5.24

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
APRIL 1983 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	April 1983[b]	March 1983[c]	April 1982[c]	March 1983	April 1982
NONMANUFACTURING	3005.5	2976.8	3028.8	1.0	- .8
MINING	27.7	27.3	31.0	1.3	- 10.8
Bituminous coal and lignite mining	10.6	10.4	13.9	1.8	- 23.3
CONSTRUCTION	118.6	112.7	129.5	5.3	- 8.4
General building contractors	28.4	27.9	30.9	1.8	- 8.0
Heavy construction contractors	17.5	15.2	22.1	15.6	- 20.7
TRANSPORTATION AND PUBLIC UTILITIES	195.6	195.0	207.3	.3	- 5.6
Railroad transportation	20.1	19.8	23.8	1.5	- 15.7
Transportation, except railroads	83.9	83.4	87.2	.6	- 3.8
Trucking and warehousing	59.9	60.1	63.4	- .3	- 5.5
Communication, electric, gas services	91.7	91.9	96.3	- .2	- 4.8
Communication	51.5	51.6	55.2	- .1	- 6.6
Electric, gas, and sanitary services	40.2	40.3	41.1	- .3	- 2.4
WHOLESALE TRADE	226.9	226.1	229.1	.3	- .9
Wholesale trade-durable goods	143.4	143.3	146.1	.1	- 1.8
Motor vehicles & automotive equipment	20.7	20.5	20.6	.6	.1
Electrical goods	18.8	18.8	19.2	.2	- 2.0
Machinery, equipment, and supplies	61.5	61.8	62.3	- .4	- 1.2
Wholesale trade-nondurable goods	83.5	82.8	82.9	.8	.7
Groceries and related products	25.5	25.4	25.0	.4	2.3
RETAIL TRADE	691.8	680.4	699.1	1.7	- 1.0
General merchandise stores	106.6	106.9	111.5	- .3	- 4.3
Department stores	97.2	97.6	101.7	- .4	- 4.4
Food stores	115.7	115.0	115.1	.7	.5
Automotive dealers & service stations	74.7	74.2	76.4	.6	- 2.2
Apparel and accessory stores	32.0	31.7	32.9	.9	- 2.8
FINANCE, INSURANCE, AND REAL ESTATE	206.5	205.8	204.9	.4	.8
Banking	58.0	58.1	59.0	- .2	- 1.7
Credit agencies other than banks	30.3	30.2	29.8	.3	1.9
Insurance carriers	59.4	59.4	59.3	.0	.2
SERVICES	873.1	859.6	856.1	1.6	2.0
Hotels and other lodging places	28.2	28.0	28.7	1.0	- 1.7
Laundry, cleaning, & garment services	16.1	16.1	16.6	.3	- 2.7
Business services	120.0	119.4	119.6	.5	.3
Health services	321.3	320.2	308.9	.4	4.0
Hospitals	175.5	175.8	171.3	- .2	2.4
GOVERNMENT	665.2	669.9	671.8	- .7	- 1.0
Federal government	87.8	87.9	88.4	- .1	- .7
State government	146.2	146.9	146.0	- .5	.1
State government, except education	70.4	70.6	70.9	- .4	- .7
State government education[i]	75.8	76.2	75.1	- .5	1.0
Local government	431.2	435.2	437.4	- .9	- 1.4
Local government, except education	181.2	180.9	181.1	.1	.0
Local government education	250.1	254.3	256.3	- 1.7	- 2.4

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
APRIL 1983 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1983[b]	March 1983[c]	April 1982[c]	Apr. 1983[b]	Mar. 1983[c]	Apr. 1982[c]	Apr. 1983[b]	Mar. 1983[c]	Apr. 1982[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$435.77	$434.92	$431.71	41.7	41.9	42.2	$10.45	$10.38	$10.23
Bituminous coal and lignite mining	543.58	524.30	509.64	41.4	40.3	41.2	13.13	13.01	12.37
CONSTRUCTION	535.99	550.46	521.77	35.9	36.6	36.9	14.93	15.04	14.14
General building contractors	481.92	503.60	461.62	35.1	36.1	35.4	13.73	13.95	13.04
Heavy construction contractors	512.95	527.01	566.80	35.4	36.7	40.0	14.49	14.36	14.17
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	460.88	461.76	442.36	36.9	37.0	36.2	12.49	12.48	12.22
Communication, electric, gas services	443.77	442.73	416.12	39.8	39.6	40.4	11.15	11.18	10.30
Communication	436.55	441.34	399.74	39.4	39.3	39.5	11.08	11.23	10.12
Electric, gas, and sanitary services	452.97	444.40	437.63	40.3	40.0	41.6	11.24	11.11	10.52
WHOLESALE TRADE	321.15	322.04	303.74	38.6	38.8	38.4	8.32	8.30	7.91
Wholesale trade-durable goods	318.27	315.12	297.99	39.1	39.0	38.6	8.14	8.08	7.72
Motor vehicles & automotive equipment	269.74	274.91	249.75	36.8	37.2	37.5	7.33	7.39	6.66
Electrical goods	264.00	260.77	253.64	37.5	37.2	37.3	7.04	7.01	6.80
Machinery, equipment, and supplies	354.71	348.88	327.02	39.9	39.6	39.4	8.89	8.81	8.30
Wholesale trade-nondurable goods	326.97	332.44	314.33	37.8	38.3	38.1	8.65	8.68	8.25
Groceries and related products	354.56	361.08	337.33	40.2	40.8	39.5	8.82	8.85	8.54
RETAIL TRADE[f]	157.18	156.10	149.29	29.0	28.8	28.6	5.42	5.42	5.22
General merchandise stores	159.84	158.06	149.18	29.6	29.6	28.8	5.40	5.34	5.18
Department stores	162.76	160.73	151.20	29.7	29.6	28.8	5.48	5.43	5.25
Food stores	222.79	223.41	218.99	30.9	30.9	30.5	7.21	7.23	7.18
Automotive dealers & service stations	205.98	204.33	197.74	36.2	36.1	37.1	5.69	5.66	5.33
Apparel and accessory stores	114.55	112.92	112.41	25.8	25.9	26.7	4.44	4.36	4.21
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	213.60	212.55	197.75	....	....	....	....	....	....
Credit agencies other than banks	209.16	209.25	200.47	....	....	....	....	....	....
Insurance carriers	286.27	284.99	269.49	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	277.57	275.40	256.95	34.1	34.0	33.5	8.14	8.10	7.67
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
APRIL 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	April 1983[b]	March 1983[c]	April 1982[c]	March 1983	April 1982
TOTAL	249.0	247.0	251.1	.8	- .8
MANUFACTURING	67.5	67.0	70.1	.8	- 3.7
Durable Goods[e]	33.9	33.6	35.0	.9	- 3.0
Stone, clay, and glass products	2.0	1.9	1.7	2.8	16.7
Fabricated metal products	12.7	12.7	12.8	.6	- .4
Machinery, except electrical	8.9	8.8	10.2	.3	- 12.6
Special industry machinery	1.5	1.6	2.1	- 3.0	- 29.4
Nondurable Goods[f]	33.5	33.3	35.1	.6	- 4.5
Food and kindred products	2.5	2.5	2.6	1.2	- 3.4
Chemicals and allied products	3.1	3.1	3.1	- .2	- 1.2
Rubber and misc. plastics products	23.0	22.9	24.5	.7	- 5.8
Tires and inner tubes	16.8	16.7	18.6	.4	- 10.0
NONMANUFACTURING[g]	181.6	180.0	181.0	.9	.3
CONSTRUCTION	6.2	5.8	6.2	6.6	- .9
TRANSPORTATION AND PUBLIC UTILITIES	12.7	12.7	13.2	.7	- 3.6
Communication, electric, gas services ..	5.4	5.4	5.5	- .5	- 1.8
WHOLESALE TRADE	12.5	12.5	12.4	.2	.4
RETAIL TRADE	45.6	44.8	44.9	1.8	1.6
FINANCE, INSURANCE, AND REAL ESTATE	9.2	9.2	9.3	.0	- .7
SERVICES	51.6	51.2	51.5	.9	.3
GOVERNMENT	43.1	43.3	42.9	- .4	.5
State government (includes education) ..	14.7	14.8	14.1	- .6	4.4
Local government (includes education) ..	26.4	26.5	26.8	- .3	- 1.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
APRIL 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1983[b]	March 1983[c]	April 1982[c]	Apr. 1983[b]	Mar. 1983[c]	Apr. 1982[c]	Apr. 1983[b]	Mar. 1983[c]	Apr. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$445.99	$447.72	$399.84	43.3	43.3	40.8	$10.30	$10.34	$ 9.80
Durable Goods[d]	460.43	460.28	388.54	44.4	44.3	40.6	10.37	10.39	9.57
Stone, clay, and glass products	390.62	389.16	389.16	41.6	41.8	42.3	9.39	9.31	9.20
Fabricated metal products	532.65	527.09	380.05	45.8	45.4	39.1	11.63	11.61	9.72
Machinery, except electrical	423.58	423.56	394.90	45.4	45.3	42.1	9.33	9.35	9.38
Special industry machinery	387.46	399.65	342.47	40.7	41.5	39.5	9.52	9.63	8.67
Nondurable Goods[e]	426.36	430.92	414.51	41.8	42.0	41.0	10.20	10.26	10.11
Food and kindred products	430.53	424.02	413.60	43.4	43.4	43.4	9.92	9.77	9.53
Chemicals and allied products	449.19	466.75	422.69	41.4	42.9	41.4	10.85	10.88	10.21
Rubber and misc. plastics products	443.41	441.58	441.21	42.8	42.5	41.9	10.36	10.39	10.53
Tires and inner tubes	569.33	571.91	549.96	44.1	44.3	43.1	12.91	12.91	12.76
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	516.84	504.55	482.67	35.4	34.3	34.9	14.60	14.71	13.83
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	445.68	451.27	410.44	39.9	39.9	40.2	11.17	11.31	10.21
WHOLESALE TRADE	289.14	293.36	284.59	38.5	38.6	39.2	7.51	7.60	7.26
RETAIL TRADE[f]	171.69	170.82	165.55	29.5	29.2	29.3	5.82	5.85	5.65
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Date relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
APRIL 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	April 1983[b]	March 1983[c]	April 1982[c]	March 1983	April 1982
TOTAL	146.7	145.0	150.4	1.1	-2.5
MANUFACTURING	45.4	45.2	49.1	.4	-7.6
Durable Goods[e]	34.5	34.2	38.0	.7	-9.2
Stone, clay, and glass products	1.9	1.9	1.9	-.2	3.1
Primary metal industries	10.7	10.6	11.6	1.2	-7.3
Fabricated metal products	7.7	7.7	9.0	-.2	-14.6
Fabricated structural metal products	2.3	2.3	3.0	.6	-23.3
Metal forgings and stampings	2.1	2.2	2.6	-2.1	-16.7
Nondurable Goods[f]	10.9	11.0	11.1	-.5	-1.9
Food and kindred products	3.9	4.0	4.1	-1.9	-4.3
Rubber and misc. plastics products	2.7	2.8	2.7	-1.5	1.4
NONMANUFACTURING[g]	101.3	99.8	101.3	1.4	.0
CONSTRUCTION	4.1	3.7	4.3	10.9	-3.7
TRANSPORTATION AND PUBLIC UTILITIES	6.1	6.0	6.4	1.9	-5.6
Communication, electric, gas services	3.0	2.9	3.0	2.9	-1.5
WHOLESALE TRADE	7.8	7.7	7.7	1.1	.8
RETAIL TRADE	25.9	25.4	25.9	2.0	.2
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.4	6.3	.2	.4
SERVICES	31.4	30.9	30.5	1.6	3.0
GOVERNMENT	18.3	18.5	18.8	-.8	-2.4
Local government (includes education)	15.4	15.6	15.6	-1.0	-1.2

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
APRIL 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1983^{b}	March 1983^{c}	April 1982^{c}	Apr. 1983^{b}	Mar. 1983^{c}	Apr. 1982^{c}	Apr. 1983^{b}	Mar. 1983^{c}	Apr. 1982^{c}
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$408.33	$407.03	$391.10	39.3	39.1	38.8	$10.39	$10.41	$10.08
Durable Goods[d]	420.68	417.59	400.42	39.5	39.1	38.8	10.65	10.68	10.32
Stone, clay, and glass products	276.76	275.95	265.20	40.7	40.7	40.0	6.80	6.78	6.63
Primary metal industries	446.31	442.23	451.24	37.6	37.1	37.2	11.87	11.92	12.13
Fabricated metal products	483.06	472.46	423.47	41.5	40.8	39.8	11.64	11.58	10.64
Fabricated structural metal products	460.24	441.17	386.68	41.5	40.4	39.7	11.09	10.92	9.74
Metal forgings and stampings	571.58	552.57	505.47	41.6	40.6	40.6	13.74	13.61	12.45
Nondurable Goods[e]	367.65	371.84	358.68	38.7	39.1	39.2	9.50	9.51	9.15
Food and kindred products	425.19	428.13	406.36	39.7	39.9	38.3	10.71	10.73	10.61
Rubber and misc. plastics products	367.43	378.11	373.12	40.6	42.2	44.0	9.05	8.96	8.48
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	494.19	489.10	493.48	34.2	33.5	35.4	14.45	14.60	13.94
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	447.20	453.86	418.99	40.0	40.2	40.6	11.18	11.29	10.32
WHOLESALE TRADE	305.62	297.93	289.18	37.0	36.2	37.9	8.26	8.23	7.63
RETAIL TRADE[f]	157.00	154.81	146.08	29.4	29.1	28.7	5.34	5.32	5.09
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Date relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
APRIL 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	April 1983[b]	March 1983[c]	April 1982[c]	March 1983	April 1982
TOTAL	570.9	561.7	576.1	1.6	-.9
MANUFACTURING	143.8	142.7	147.2	.7	-2.3
Durable Goods[e]	78.8	78.6	80.8	.3	-2.5
Furniture and fixtures	2.0	2.1	2.2	-.9	-6.8
Primary metal industries	1.7	1.8	2.2	-5.1	-21.4
Fabricated metal products	12.0	12.1	12.7	-.4	-5.5
Fabricated structural metal products	3.8	3.8	4.2	-.4	-9.3
Machinery, except electrical	21.4	21.4	23.6	-.1	-9.4
Metalworking machinery	10.2	10.3	11.4	-.4	-10.4
General industrial machinery	3.5	3.5	3.9	-1.8	-11.6
Electric and electronic equipment	7.6	7.6	8.1	.7	-5.1
Transportation equipment	23.9	23.7	22.2	.9	7.4
Motor vehicles and equipment	9.2	9.1	7.9	1.2	16.6
Nondurable Goods[f]	64.9	64.1	66.3	1.3	-2.1
Food and kindred products	14.3	14.0	15.6	2.0	-8.5
Meat products	2.1	1.9[h]	2.5	11.6	-13.4
Bakery products	2.3	2.3	2.3	2.4	1.2
Beverages	4.2	4.3	4.5	-1.9	-6.1
Apparel and other textile products	3.7	3.7	3.7	2.4	2.5
Paper and allied products	5.6	5.6	6.0	.1	-5.3
Printing and publishing	11.4	11.4	11.5	.2	-1.4
Chemicals and allied products	21.9	21.8	21.9	.3	-.1
Rubber and misc. plastics products	4.4	3.9	4.2	10.5	3.9
NONMANUFACTURING[g]	427.1	419.0	429.0	1.9	-.4
CONSTRUCTION	17.7	16.7	19.6	6.0	-9.6
TRANSPORTATION AND PUBLIC UTILITIES	31.1	31.1	32.4	.1	-4.0
Communication, electric, gas services	14.4	14.4	14.6	.0	-1.8
WHOLESALE TRADE	36.7	36.6	37.2	.1	-1.4
RETAIL TRADE	100.8	98.2	100.9	2.6	-.1
FINANCE, INSURANCE, AND REAL ESTATE	32.1	32.1	32.2	.2	-.3
Banking	7.2	7.2	7.4	.2	-2.1
Insurance carriers	11.3	11.3	11.4	-.2	-.5
SERVICES	128.6	124.1	123.8	3.6	3.8
GOVERNMENT	79.7	79.8	82.4	-.1	-3.3
Federal government	12.6	12.5	13.0	.6	-3.6
State government (includes education)	18.4	18.5	18.7	-.1	-1.2
Local government	48.7	48.8	50.7	-.4	-4.0
Local government, except education	21.3	21.1	21.5	1.1	-.9
Local government education	27.3	27.7	29.2	-1.5	-6.4

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
APRIL 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1983[b]	March 1983[c]	April 1982[c]	Apr. 1983[b]	Mar. 1983[c]	Apr. 1982[c]	Apr. 1983[b]	Mar. 1983[c]	Apr. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$411.05	$408.41	$379.49	$40.9	$40.8	$40.2	$10.05	$10.01	$ 9.44
Durable Goods[d]	393.50	394.47	363.77	40.4	40.5	39.8	9.74	9.74	9.14
Furniture and fixtures	300.31	297.99	246.33	38.7	38.7	34.5	7.76	7.70	7.14
Primary metal industries	404.39	382.24	328.06	37.9	36.3	34.9	10.67	10.53	9.40
Fabricated metal products	380.80	371.70	362.23	41.8	41.3	40.7	9.11	9.00	8.90
Fabricated structural metal products	343.48	346.94	314.02	40.6	41.5	39.4	8.46	8.36	7.97
Machinery, except electrical	351.14	353.70	331.74	38.8	39.3	38.8	9.05	9.00	8.55
Metalworking machinery	382.02	387.73	351.75	37.6	38.2	37.5	10.16	10.15	9.38
General industrial machinery	342.29	345.14	340.96	40.7	40.7	39.6	8.41	8.48	8.61
Electric and electronic equipment	304.18	303.00	285.57	39.3	39.3	38.8	7.74	7.71	7.36
Transportation equipment	538.38	546.52	495.97	41.8	42.3	41.4	12.88	12.92	11.98
Motor vehicles and equipment	592.35	597.28	565.94	42.1	42.3	41.4	14.07	14.12	13.67
Nondurable Goods[e]	430.36	424.36	396.26	41.5	41.2	40.6	10.37	10.30	9.76
Food and kindred products	488.91	460.62	460.82	43.0	41.2	42.2	11.37	11.18	10.92
Meat products	394.00	391.17	477.83	39.4	38.2	43.4	10.00	10.24	11.01
Bakery products	427.65	413.91	379.08	42.3	40.9	40.5	10.11	10.12	9.36
Beverages	435.35	431.39	414.67	41.7	41.6	42.4	10.44	10.37	9.78
Apparel and other textile products	233.82	225.43	224.85	39.1	37.2	37.6	5.98	6.06	5.98
Paper and allied products	362.56	366.54	353.20	41.2	41.7	41.7	8.80	8.79	8.47
Printing and publishing	429.34	416.46	370.92	40.2	39.4	38.2	10.68	10.57	9.71
Chemicals and allied products	475.26	492.99	434.11	40.9	42.1	40.8	11.62	11.71	10.64
Rubber and misc. plastics products	384.60	345.43	310.64	45.3	44.4	40.5	8.49	7.78	7.67
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	503.38	537.58	546.27	35.3	37.1	37.7	14.26	14.49	14.49
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	428.93	407.62	388.61	39.1	38.6	38.9	10.97	10.56	9.99
WHOLESALE TRADE	331.89	326.17	308.83	39.0	38.6	38.7	8.51	8.45	7.98
RETAIL TRADE[f]	156.52	156.29	148.70	29.7	29.6	29.1	5.27	5.28	5.11
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	218.80	218.43	195.52	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
APRIL 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	April 1983[b]	March 1983[c]	April 1982[c]	March 1983	April 1982
TOTAL	825.4	820.8	848.7	.6	-2.7
MANUFACTURING	210.8	210.7	228.5	.1	-7.8
Durable Goods[e]	146.8	146.5	164.3	.2	-10.7
Furniture and fixtures	1.9	2.0	2.1	-4.8	-10.0
Primary metal industries	23.7	23.8	26.9	-.4	-12.1
Blast furnace and basic steel products	11.8	11.8	14.2	-.1	-17.0
Iron and steel foundries	5.9	5.9	6.3	-.8	-6.8
Nonferrous foundries	2.5	2.5	2.6	-1.3	-4.5
Fabricated metal products	31.8	31.9	35.0	-.4	-9.1
Fabricated structural metal products	3.8	3.7	4.0	1.0	-4.3
Screw machine products, bolts, etc.	4.6	4.7	5.2	-1.2	-11.3
Metal forgings and stampings	10.7	10.8	12.3	-.3	-13.1
Machinery, except electrical	31.6	31.6	41.1	.0	-23.1
Construction and related machinery	4.7[h]	4.7[h]	7.6	1.4	-37.5
Metalworking machinery	10.8	10.8	14.0	-.1	-22.4
Special industry machinery	3.1	3.1	3.5	1.0	-10.7
General industrial machinery	2.6	2.7	3.7	-2.6	-28.7
Electric and electronic equipment	23.3	23.3	24.0	.3	-2.9
Electrical industrial apparatus	8.0	8.0	8.8	-.2	-8.8
Transportation equipment	21.0	20.5	21.0	2.5	-.1
Motor vehicles and equipment	14.7	14.3	14.1	3.3	4.2
Instruments and related products	5.7	5.7	5.9	.6	-3.2
Nondurable Goods[f]	64.0	64.1	64.2	-.2	-.3
Food and kindred products	7.8	7.8	7.8	.0	1.0
Bakery products	1.7	1.7	1.8	-.8	-3.7
Beverages	1.6	1.6	1.6	-1.9	1.6
Apparel and other textile products	5.5	5.5	5.4	-1.1	2.2
Paper and allied products	5.0	5.0	4.9	.5	2.6
Printing and publishing	15.0	15.0	15.5	-.1	-3.0
Chemicals and allied products	14.6	14.7	15.3	-.4	-4.2
Industrial inorganic chemicals	3.7	3.7	3.9	.4	-4.5
Rubber and misc. plastics products	10.2	10.3	10.0	-1.1	1.9
NONMANUFACTURING[g]	614.6	610.1	620.1	.7	-.9
CONSTRUCTION	23.3	22.1	24.6	5.6	-5.1
TRANSPORTATION AND PUBLIC UTILITIES	41.4	40.8	43.3	1.4	-4.5
Communication, electric, gas services	19.6	19.6	20.3	-.1	-3.2
WHOLESALE TRADE	60.0	60.1	61.2	-.1	-2.0
RETAIL TRADE	130.7	129.2	132.8	1.2	-1.5
FINANCE, INSURANCE, AND REAL ESTATE	47.6	47.6	48.0	.1	-.7
Banking	13.1	13.1	13.5	-.4	-3.3
Insurance carriers	12.0	11.9	12.1	.3	-1.0
SERVICES	195.5	193.1	192.0	1.3	1.9
GOVERNMENT	114.9	116.2	116.9	-1.1	-1.7
Federal government	19.1	19.1	19.5	.0	-1.8
State government (includes education)	8.0	8.1	8.1	-.8	-1.0
Local government	87.7	89.0	89.3	-1.4	-1.8
Local government, except education	45.0	45.2	44.7	-.5	.7
Local government education	42.7	43.7	44.6	-2.3	-4.3

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
APRIL 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1983[b]	March 1983[c]	April 1982[c]	Apr. 1983[b]	Mar. 1983[c]	Apr. 1982[c]	Apr. 1983[b]	Mar. 1983[c]	Apr. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$415.31	$411.03	$400.60	40.4	40.1	40.1	$10.28	$10.25	$ 9.99
Durable Goods[d]	440.90	434.97	421.37	40.9	40.5	40.4	10.78	10.74	10.43
Furniture and fixtures	302.25	321.17	301.90	38.8	40.5	40.2	7.79	7.93	7.51
Primary metal industries	488.82	484.74	484.79	40.1	39.7	39.9	12.19	12.21	12.15
Blast furnace and basic steel products	455.11	458.31	515.97	35.5	35.5	39.0	12.82	12.91	13.23
Iron and steel foundries	618.05	606.56	571.05	44.4	43.7	42.3	13.92	13.88	13.50
Nonferrous foundries	367.00	362.30	313.74	41.8	41.5	37.8	8.78	8.73	8.30
Fabricated metal products	434.09	424.27	417.96	41.5	40.6	40.5	10.46	10.45	10.32
Fabricated structural metal products	336.49	324.32	341.50	38.5	38.2	40.8	8.74	8.49	8.37
Screw machine products, bolts, etc.	395.93	387.03	347.99	41.2	40.4	39.1	9.61	9.58	8.90
Metal forgings and stampings	544.71	539.30	534.23	43.3	42.7	42.5	12.58	12.63	12.57
Machinery, except electrical	412.57	404.64	399.35	39.9	39.4	39.5	10.34	10.27	10.11
Construction and related machinery	415.83	449.16	437.53	37.7	39.4	39.1	11.03	11.40	11.19
Metalworking machinery	400.23	399.21	392.82	39.2	39.1	39.4	10.21	10.21	9.97
Special industry machinery	455.76	455.87	409.02	42.2	41.9	40.1	10.80	10.88	10.20
General industrial machinery	359.21	361.57	388.47	38.5	38.1	39.2	9.33	9.49	9.91
Electric and electronic equipment	357.28	360.30	349.27	38.5	38.7	40.1	9.28	9.31	8.71
Electrical industrial apparatus	338.18	340.12	347.63	34.9	35.1	37.5	9.69	9.69	9.27
Transportation equipment	568.65	557.87	517.28	44.6	44.1	42.4	12.75	12.65	12.20
Motor vehicles and equipment	607.04	594.51	552.53	45.2	44.7	43.2	13.43	13.30	12.79
Instruments and related products	343.31	340.90	322.34	40.2	40.2	40.7	8.54	8.48	7.92
Nondurable Goods[e]	350.45	352.13	339.95	39.2	39.3	39.3	8.94	8.96	8.65
Food and kindred products	370.17	371.16	362.25	40.5	40.3	41.4	9.14	9.21	8.75
Bakery products	377.30	397.44	365.31	39.8	41.1	40.5	9.48	9.67	9.02
Beverages	328.85	332.83	305.27	40.3	40.1	39.8	8.16	8.30	7.67
Apparel and other textile products	255.00	254.01	243.62	37.5	37.3	36.8	6.80	6.81	6.62
Paper and allied products	362.69	360.50	364.83	39.9	40.1	41.6	9.09	8.99	8.77
Printing and publishing	360.19	366.90	361.13	36.2	36.8	37.5	9.95	9.97	9.63
Chemicals and allied products	429.95	435.25	404.19	40.6	41.1	40.5	10.59	10.59	9.98
Industrial inorganic chemicals	448.44	455.26	377.95	40.4	41.2	38.1	11.10	11.05	9.92
Rubber and misc. plastics products	327.60	322.55	293.88	42.0	41.3	39.5	7.80	7.81	7.44
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	618.83	617.44	576.41	37.1	36.6	37.6	16.68	16.87	15.33
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	464.11	468.47	443.59	39.6	39.6	40.4	11.72	11.83	10.98
WHOLESALE TRADE	330.62	331.96	320.04	38.4	38.6	38.1	8.61	8.60	8.40
RETAIL TRADE[f]	168.10	168.13	158.72	28.3	28.4	27.7	5.94	5.92	5.73
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	240.92	240.03	228.11	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]

APRIL 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	April 1983[b]	March 1983[c]	April 1982[c]	March 1983	April 1982
TOTAL	497.7	494.2	496.1	.7	.3
MANUFACTURING	86.7	85.9	86.4	.9	.4
Durable Goods[e]	54.9	54.1	54.5	1.4	.7
Stone, clay, and glass products	9.0	8.7	9.0	3.5	-.8
Fabricated metal products	9.5	9.3	9.4	2.3	1.3
Machinery, except electrical	10.2	10.1	10.7	.9	-4.4
Electric and electronic equipment	10.1	10.0	10.8	.7	-6.7
Transportation equipment	7.7	7.7	6.6	.4	17.6
Nondurable Goods[f]	31.9	31.8	31.9	.1	-.1
Food and kindred products	10.1	10.1	10.1	.9	.6
Printing and publishing	8.1	8.3	8.2	-2.1	-1.2
Chemicals and allied products	6.1	6.1	6.0	.7	1.6
Rubber and misc. plastics products	2.7	2.6	2.7	.6	-2.3
NONMANUFACTURING[g]	411.0	408.3	409.7	.7	.3
CONSTRUCTION	13.0	12.7	13.9	2.3	-6.0
TRANSPORTATION AND PUBLIC UTILITIES	21.9	21.8	23.3	.4	-6.3
Communication, electric, gas services	10.6	10.7	11.4	-.4	-6.8
WHOLESALE TRADE	27.1	27.1	27.1	.3	.3
RETAIL TRADE	91.4	90.7	91.6	.8	-.2
FINANCE, INSURANCE, AND REAL ESTATE	42.0	42.0	40.5	-.1	3.6
Banking	8.4	8.4	8.2	-.3	2.3
Insurance carriers	17.6	17.6	17.5	.0	.6
SERVICES	112.5	110.9	109.3	1.4	2.9
GOVERNMENT	102.3	102.3	103.4	.0	-1.0
Federal government	11.1	11.1	11.5	-.3	-3.7
State government	49.6	49.5	49.3	.4	.7
State government, except education	28.8	28.7	29.1	.3	-.8
State government education[i]	20.8	20.7	20.3	.6	2.8
Local government	41.6	41.7	42.5	-.4	-2.2
Local government, except education	17.3	17.3	17.3	.2	.3
Local government education	24.2	24.4	25.2	-.8	-4.0

---

[a]Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Depressed due to labor-management disputes. [i]Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]

APRIL 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1983[b]	March 1983[c]	April 1982[c]	Apr. 1983[b]	Mar. 1983[c]	Apr. 1982[c]	Apr. 1983[b]	Mar. 1983[c]	Apr. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$398.75	$394.30	$361.69	40.4	40.4	39.4	$ 9.87	$ 9.76	$ 9.18
Durable Goods[d]	417.74	411.46	372.09	40.4	40.3	39.5	10.34	10.21	9.42
Stone, clay, and glass products	380.00	370.66	351.74	40.0	39.6	39.7	9.50	9.36	8.86
Fabricated metal products	510.41	492.79	419.73	41.7	41.1	38.9	12.24	11.99	10.79
Machinery, except electrical	379.89	375.60	363.19	40.2	40.0	40.9	9.45	9.39	8.88
Electric and electronic equipment	389.46	388.90	369.47	40.4	40.3	39.6	9.64	9.65	9.33
Transportation equipment	532.17	528.66	439.27	44.2	44.5	40.9	12.04	11.88	10.74
Nondurable Goods[e]	361.98	362.64	341.04	40.4	40.7	39.2	8.96	8.91	8.70
Food and kindred products	349.97	354.83	335.12	40.6	41.5	39.8	8.62	8.55	8.42
Printing and publishing	424.43	416.48	387.84	38.1	38.0	37.4	11.14	10.96	10.37
Chemicals and allied products	403.51	404.91	379.60	40.8	40.9	40.0	9.89	9.90	9.49
Rubber and misc. plastics products	318.00	334.20	300.49	42.8	44.5	39.8	7.43	7.51	7.55
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	472.51	489.88	474.75	35.5	37.0	37.5	13.31	13.24	12.66
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	455.07	461.77	436.19	39.4	39.4	40.5	11.55	11.72	10.77
WHOLESALE TRADE	313.50	314.79	293.73	38.8	39.3	38.7	8.08	8.01	7.59
RETAIL TRADE[f]	162.03	160.56	146.96	29.3	29.3	28.1	5.53	5.48	5.23
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	229.55	230.95	212.94	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
APRIL 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	April 1983[b]	March 1983[c]	April 1982[c]	March 1983	April 1982
TOTAL	333.6	332.3	337.0	.4	- 1.0
MANUFACTURING	85.8	85.1	88.6	.8	- 3.2
Durable Goods[e]	59.7	59.4	61.8	.5	- 3.4
Stone, clay, and glass products	2.0	1.9	1.8	1.8	9.2
Fabricated metal products	6.5	6.4	6.7	1.2	- 3.1
Machinery, except electrical	28.4	28.4	29.7	.1	- 4.4
Metalworking machinery	6.0	6.1	6.6	- .9	- 8.1
Electric and electronic equipment	4.5	4.5	5.0	.2	- 10.3
Electrical industrial apparatus	2.6	2.6	3.1	- .2	- 15.0
Transportation equipment	12.7	12.6	12.8	.4	- .8
Nondurable Goods[f]	26.1	25.7	26.8	1.5	- 2.8
Food and kindred products	2.9	2.9	2.9	1.2	- .2
Paper and allied products	5.1	5.1	5.7	.5	- 9.2
Printing and publishing	7.4	7.4	7.9	.9	- 5.8
Rubber and misc. plastics products	7.3	7.2	7.2	1.5	1.2
NONMANUFACTURING[g]	247.8	247.2	248.3	.3	- .2
CONSTRUCTION	8.2	7.8	8.8	4.9	- 6.0
TRANSPORTATION AND PUBLIC UTILITIES	12.1	12.0	12.8	.3	- 5.9
Communication, electric, gas services	5.8	5.8	6.7	- .5	- 13.4
WHOLESALE TRADE	16.4	16.4	16.6	.3	- .9
RETAIL TRADE	54.0	53.3	55.3	1.3	- 2.3
FINANCE, INSURANCE, AND REAL ESTATE	13.5	13.4	13.4	.9	1.3
SERVICES	75.9	75.7	73.6	.2	3.1
GOVERNMENT	67.5	68.3	67.7	- 1.2	- .4
Federal government	25.8	25.8	25.6	- .3	.7
State government (includes education)	5.9	6.0	6.0	- .6	- 1.1
Local government	35.8	36.5	36.2	- 2.0	- 1.0
Local government, except education	12.8	13.1	13.0	- 1.7	- 1.1
Local government education	23.0	23.5	23.2	- 2.1	- 1.0

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
APRIL 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1983[b]	March 1983[c]	April 1982[c]	Apr. 1983[b]	Mar. 1983[c]	Apr. 1982[c]	Apr. 1983[b]	Mar. 1983[c]	Apr. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$426.42	$420.65	$395.61	41.2	40.8	39.8	$10.35	$10.31	$ 9.94
Durable Goods[d]	424.98	420.04	400.36	41.3	40.9	40.4	10.29	10.27	9.91
Stone, clay, and glass products	370.54	369.33	356.12	39.8	39.5	41.7	9.31	9.35	8.54
Fabricated metal products	332.40	332.09	310.81	40.0	40.4	38.9	8.31	8.22	7.99
Machinery, except electrical	442.21	431.90	431.39	41.6	40.9	41.6	10.63	10.56	10.37
Metalworking machinery	463.32	443.52	395.79	44.0	42.0	40.1	10.53	10.56	9.87
Electric and electronic equipment	314.01	312.44	298.45	39.9	39.6	39.9	7.87	7.89	7.48
Electrical industrial apparatus	337.31	330.22	322.39	40.3	39.5	40.4	8.37	8.36	7.98
Transportation equipment	522.45	530.45	479.85	41.3	41.9	39.3	12.65	12.66	12.21
Nondurable Goods[e]	427.99	421.20	384.38	40.8	40.5	38.4	10.49	10.40	10.01
Food and kindred products	383.94	393.78	381.92	39.5	40.1	38.5	9.72	9.82	9.92
Paper and allied products	366.63	362.71	328.02	41.9	41.5	40.1	8.75	8.74	8.18
Printing and publishing	370.13	381.67	371.12	35.9	37.2	36.6	10.31	10.26	10.14
Rubber and misc. plastics products	558.92	532.56	481.97	43.7	42.2	38.9	12.79	12.62	12.39
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	489.58	505.53	486.77	35.4	36.5	37.3	13.83	13.85	13.05
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	453.32	454.61	418.64	39.8	39.6	40.1	11.39	11.48	10.44
WHOLESALE TRADE	324.42	326.82	290.24	40.3	40.7	40.2	8.05	8.03	7.22
RETAIL TRADE[f]	153.70	153.75	144.78	29.0	28.9	28.5	5.30	5.32	5.08
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
APRIL 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	April 1983[b]	March 1983[c]	April 1982[c]	March 1983	April 1982
TOTAL	279.2	274.4	282.7	1.8	-1.2
MANUFACTURING	65.9	62.7	69.4	5.1	-5.1
Durable Goods[e]	50.7	47.3[h]	54.1	7.3	-6.2
Stone, clay, and glass products	11.6	11.4	12.3	2.1	-5.5
Primary metal industries	3.6	3.6	3.9	1.4	-5.5
Fabricated metal products	7.4	7.2	7.6	2.8	-2.3
Metal forgings and stampings	3.5	3.3	3.4	4.5	.7
Machinery, except electrical	5.3	5.2	6.5	1.2	-19.4
General industrial machinery	1.1[h]	1.2[h]	1.9	-5.8	-40.5
Transportation equipment	15.7	14.0	16.1	12.1	-2.2
Motor vehicles and equipment	14.5	12.8	14.8	13.5	-1.8
Nondurable Goods[f]	15.2	15.4	15.3	-1.7	-1.1
Food and kindred products	4.1	4.3	3.9	-4.0	6.6
Rubber and misc. plastics products	3.3	3.2	3.2	1.3	2.9
NONMANUFACTURING[g]	213.3	211.7	213.3	.8	.0
CONSTRUCTION	9.5	9.2	11.2	3.7	-15.1
TRANSPORTATION AND PUBLIC UTILITIES	17.2	17.0	17.9	.9	-3.9
Communication, electric, gas services	7.5	7.5	7.6	-.3	-1.8
WHOLESALE TRADE	14.3	14.2	14.7	.7	-2.2
RETAIL TRADE	49.1	48.3	49.6	1.5	-1.0
FINANCE, INSURANCE, AND REAL ESTATE	10.9	10.9	10.6	.4	2.7
SERVICES	65.0	64.3	62.8	1.0	3.5
GOVERNMENT	46.8	47.3	46.1	-1.0	1.5
State government (includes education)	14.9	15.0	14.9	-1.0	.1
Local government	29.2	29.5	28.5	-1.1	2.3
Local government, except education	10.9	10.8	10.6	.6	3.3
Local government education	18.3	18.7	17.9	-2.1	1.8

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
APRIL 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1983[b]	March 1983[c]	April 1982[c]	Apr. 1983[b]	Mar. 1983[c]	Apr. 1982[c]	Apr. 1983[b]	Mar. 1983[c]	Apr. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$471.75	$461.58	$435.24	42.5	42.0	40.3	$11.10	$10.99	$10.80
Durable Goods[d]	491.21	479.39	448.63	42.9	42.2	40.2	11.45	11.36	11.16
Stone, clay, and glass products	465.63	476.85	454.02	42.1	42.5	41.2	11.06	11.22	11.02
Primary metal industries	428.08	432.22	409.19	41.4	41.6	41.5	10.34	10.39	9.86
Fabricated metal products	494.55	453.23	435.01	45.0	42.2	41.0	10.99	10.74	10.61
Metal forgings and stampings	539.00	524.45	498.08	44.0	43.2	41.3	12.25	12.14	12.06
Machinery, except electrical	410.46	404.64	414.87	40.4	39.4	39.7	10.16	10.27	10.45
General industrial machinery	413.64	413.40	450.08	36.0	36.2	38.7	11.49	11.42	11.63
Transportation equipment	562.46	572.88	507.67	43.1	43.4	39.6	13.05	13.20	12.82
Motor vehicles and equipment	563.32	573.75	507.08	43.1	43.4	39.4	13.07	13.22	12.87
Nondurable Goods[e]	402.78	404.58	389.23	41.1	41.2	40.8	9.80	9.82	9.54
Food and kindred products	417.06	424.27	417.73	42.0	42.3	42.8	9.93	10.03	9.76
Rubber and misc. plastics products	328.43	339.82	320.74	40.2	40.6	39.5	8.17	8.37	8.12
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	625.29	639.92	627.23	37.6	38.0	39.3	16.63	16.84	15.96
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	463.10	465.60	457.18	40.2	40.0	41.6	11.52	11.64	10.99
WHOLESALE TRADE	330.11	343.66	323.85	37.9	38.7	38.1	8.71	8.88	8.50
RETAIL TRADE[f]	159.29	157.90	154.15	28.7	28.4	28.6	5.55	5.56	5.39
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
APRIL 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	April 1983[b]	March 1983[c]	April 1982[c]	March 1983	April 1982
TOTAL	181.4	179.5	181.7	1.1	- .2
MANUFACTURING	54.6	53.7	53.4	1.7	2.2
Durable Goods[e]	49.7	48.9	48.5	1.5	2.4
Stone, clay, and glass products	1.9	1.8	1.4	2.4	34.4
Primary metal industries	22.9	22.5	24.5	1.9	- 6.6
Blast furnace and basic steel products	9.7	9.4	12.4	3.4	- 21.7
Fabricated metal products	8.3	8.1	8.1	2.2	1.7
Fabricated structural metal products	2.2	2.2	2.4	1.7	- 4.9
Machinery, except electrical	3.8	3.8	5.3	.1	- 27.1
Metalworking machinery	1.9	1.9	2.5	1.4	- 24.6
Electric and electronic equipment	2.6	2.6	2.9	.5	- 8.8
Transportation equipment	8.7	8.6	4.5	1.1	92.7
Nondurable Goods[f]	4.9	4.8	4.9	3.5	.5
NONMANUFACTURING[g]	126.8	125.8	128.3	.8	- 1.2
CONSTRUCTION	4.5	4.2	5.1	6.5	- 11.7
TRANSPORTATION AND PUBLIC UTILITIES	7.6	7.6	8.3	.6	- 8.4
Communication, electric, gas services	3.2	3.2	3.4	.0	- 5.7
WHOLESALE TRADE	7.8	7.8	8.0	.2	- 2.6
RETAIL TRADE	34.4	33.9	35.5	1.4	- 3.2
FINANCE, INSURANCE, AND REAL ESTATE	7.2	7.2	7.0	.5	2.3
SERVICES	40.3	39.8	38.9	1.4	3.8
GOVERNMENT	23.9	24.4	24.5	- 1.9	- 2.3
Local government (includes education)	18.4	18.5	18.9	- 1.0	- 3.1

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
APRIL 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	April 1983[b]	March 1983[c]	April 1982[c]	Apr. 1983[b]	Mar. 1983[c]	Apr. 1982[c]	Apr. 1983[b]	Mar. 1983[c]	Apr. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$501.02	$501.83	$447.37	41.0	41.1	38.6	$12.22	$12.21	$11.59
Durable Goods[d]	513.76	513.77	460.11	41.2	41.3	38.6	12.47	12.44	11.92
Stone, clay, and glass products	339.96	329.24	318.19	37.9	37.8	36.7	8.97	8.71	8.67
Primary metal industries	506.35	506.07	479.31	39.1	39.2	37.3	12.95	12.91	12.85
Blast furnace and basic steel products	461.02	480.77	494.91	35.3	36.7	37.1	13.06	13.10	13.34
Fabricated metal products	586.98	576.84	462.95	44.3	43.7	39.4	13.25	13.20	11.75
Fabricated structural metal products .	404.82	397.28	332.70	39.0	38.2	36.4	10.38	10.40	9.14
Machinery, except electrical	449.64	442.22	429.78	38.3	37.7	38.0	11.74	11.73	11.31
Metalworking machinery	452.41	454.73	439.18	38.9	39.1	38.9	11.69	11.63	11.29
Electric and electronic equipment	401.29	406.13	365.98	41.2	41.4	40.8	9.74	9.81	8.97
Transportation equipment	587.61	597.06	537.54	45.8	46.5	42.9	12.83	12.84	12.53
Nondurable Goods[e]	347.76	351.06	324.23	38.3	38.2	39.3	9.08	9.19	8.25
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	509.66	542.39	503.01	34.0	36.5	35.7	14.99	14.86	14.09
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services ..	444.80	457.25	408.62	40.0	40.5	40.1	11.12	11.29	10.19
WHOLESALE TRADE	304.29	299.63	323.70	35.3	34.8	39.0	8.62	8.61	8.30
RETAIL TRADE[f]	159.82	158.71	152.68	28.9	28.7	28.7	5.53	5.53	5.32
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education) ..	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

6/21/83 S6290-1 A

BEST AVAILABLE COPY

Ohio Labor Market Information

BUREAU OF EMPLOYMENT SERVICES

JOB SERVICE OF OHIO

RICHARD F. CELESTE, *Governor*
DR. ROBERTA STEINBACHER, *Administrator*

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
MAY 1983

Unemployment in Ohio was estimated at 664,000--12.9 percent of the civilian labor force--in May, representing a marginal increase from April levels. Total employment advanced 1.5 percent, to 4,502,000. Nonfarm payroll employment rose 1.0 percent, to 4,115,000, due chiefly to seasonal hiring among the nonmanufacturing industries.

Factory employment in May totaled 1,076,000 statewide, .6 percent above the previous month. Employment in motor vehicle manufacturing continued to rebound from its recessionary lows, as auto makers recalled several hundred more workers from layoffs. More business also led to recalls in the production of metal stampings and plastic products. Gains in construction equipment and general industrial machinery were attributable largely to settlement of labor-management disputes. Steel producers, on the other hand, reported layoffs stemming from lack of orders.

Employment among Ohio's nonmanufacturing establishments rose 1.1 percent from April, to 3,039,000 in May. The seasonal pickup in warm-weather businesses--amusement parks, outdoor refreshment stands, drive-ins, lodging places--led to gains in retailing and services. Seasonal factors also accounted for growth among the construction, motor freight, and water transportation industries. Government employment was boosted by hiring at the local level, moderated by summer furloughs among some state universities.

Average weekly earnings of Ohio's factory production workers rose $3 from April's record level to a new all-time high of $433 in May. The average workweek, at 41.2 hours, was fractionally longer. Stepped-up overtime boosted earnings in the production of motor vehicles, metal fasteners, fabricated structural metal products, and electric lighting and wiring equipment. Wage-rate hikes lifted hourly earnings in the production of household furniture, although gross weekly wages dipped due to overtime curtailments. Petroleum refiners and producers of metalworking machinery also reported curtailed production schedules and less overtime in May.

The number of jobless Ohioans increased by nearly 100,000 between May 1982 and May 1983, lifting the unemployment rate from 11.1 to 12.9 percent. Total employment slipped .7 percent, while nonfarm payrolls stood 1.6 percent below the year-earlier figure. Job losses in manufacturing totaled some 40,000, with substantial cutbacks reported among producers of nonelectrical machinery and primary metals. Nonmanufacturing slipped over the year, despite gains among services and finance. Factory production workers grossed nearly $30 more per week in May 1983 than in May 1982. The average workweek was longer by one hour.

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Nonfarm establishments in Akron employed 251,800 wage and salary workers in May, up 2,900 from April. Seasonal growth in outdoor amusement services, construction, and eating and drinking places boosted nonmanufacturing, accounting for the overall gain. Manufacturing slipped slightly, to 67,300 for the month. Hourly earnings of the average production worker, at $10.34, were up 10¢ from April. The average workweek, at 42.8 hours, was .3 hours longer.

Canton.--May nonagricultural payroll employment in the Canton area totaled 148,000, up 1,400 from April. Expansion in most component industries raised nonmanufacturing employment. Manufacturing rose fractionally, to 45,400 for the month. Production workers in factories grossed $10.45 per hour for a workweek of 39.2 hours in May, up 6¢ and down .3 hours from April averages.

Cincinnati.--May nonfarm wage and salary employment in the Cincinnati area, at 574,000, was 3,700 above April. The increase occurred in nonmanufacturing, mainly as a result of seasonal advances in services, retailing, and construction. Manufacturing decreased slightly, to 143,700 for the month, as gains in durable goods were offset by losses in nondurable goods--notably, a labor-management dispute in meat products. Production workers in factories grossed $10.09 per hour--up 3¢--for a workweek of 41.0 hours, up .2 hours from April.

Cleveland.--Cleveland's nonagricultural wage and salary employment rose 5,600 from April, to 831,400 in May. Seasonal hiring in nonmanufacturing was responsible for most of the growth. Settlement of a labor-management dispute in construction machinery lifted manufacturing by 600, to 211,400 for the month, despite scattered losses in other durable-goods industries. The workweek for the average factory production worker, at 40.7 hours, was up .3 hours from April. Average hourly earnings, at $10.40, were up 9¢ from the previous month.

Columbus.--Workers on nonfarm payrolls in Columbus totaled 501,500 in May, up 3,600 from April. Manufacturing advanced 300, to 86,900 for the month. Seasonal increases in most component industries lifted nonmanufacturing in May. Hourly earnings of factory production workers rose 4¢, to $9.91 an hour. The average workweek, at 40.3 hours, was slightly longer than in April.

Dayton.--Nonagricultural establishments in Dayton employed 335,700 wage and salary workers in May, up 1,700 from April. Seasonal hiring in construction and retail trade boosted nonmanufacturing, despite a seasonal slippage in educational services. Manufacturing rose 700, to 86,500 in May. The workweek of the average factory production worker, at 41.0 hours, was down slightly from the previous month, while gross earnings, at $10.49 per hour, were up 14¢ for the month.

Toledo.--Nonfarm payroll employment in Toledo rose 4,600 from April, to a total of 284,400 in May. Recalls by producers of autos and their component parts accounted for much of the 2,200 increase in manufacturing, to 68,400 in May. Settlement of a labor-management dispute boosted employment in general industrial machinery. Nonmanufacturing increased due to seasonal gains in most component industries. Earnings of factory production workers rose 13¢, to $11.27 an hour. Their workweek averaged 42.4 hours, down marginally from April.

Youngstown-Warren.--Youngstown-Warren's nonagricultural wage and salary employment totaled 183,200 in May, up 2,100 from April. Manufacturing increased 300, to 54,600 for the month, due to gains in durable-goods industries. Seasonal factors were largely responsible for growth in nonmanufacturing. Average hourly earnings of factory production workers increased 24¢, to $12.46 an hour. Their average workweek, at 42.6 hours, was 1.3 hours longer.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 6-16-83

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1972	248.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	600.6	895.6	509.8	355.7	293.1	203.1
1981	259.6	156.6	592.2	880.7	506.6	352.5	290.9	198.7
1982	250.8	149.7	575.5	847.5	497.9	337.0	282.2	182.2
1982								
May	254.3	151.2	580.7	854.5	498.3	337.6	286.0	185.9
June	249.5	152.2	584.0	859.3	501.1	338.7	285.7	186.4
July	248.4	151.2	573.5	850.7	493.6	333.9	277.7	182.5
August ..	248.3	150.5	574.2	846.7	494.4	332.2	278.9	178.6
September	253.0	150.3	580.3	846.0	497.3	338.9	285.2	182.4
October .	252.5	148.3	579.0	842.3	503.5	338.1	285.5	180.9
November.	251.7	147.9	576.9	840.5	503.8	335.7	284.6	177.3
December.	250.4	147.3	574.8	837.3	504.0	336.4	282.8	177.8
1983								
January .	243.4	144.5	561.1	815.6	491.5	330.3	277.4	175.6
February.	245.9	144.6	558.8	816.5	492.0	330.6	275.8	176.2
March ...	247.0	145.0	561.7	820.8	494.2	332.3	274.4	179.5
April ...	248.9	146.6	570.4	825.8	497.9	334.0	279.8	181.0
May	251.8	148.0	574.0	831.4	501.5	335.7	284.4	183.2
	MANUFACTURING EMPLOYMENT (in thousands)							
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.6	79.9
1980	79.1	55.7	162.4	254.9	96.8	99.4	75.4	70.8
1981	75.7	54.8	157.3	246.8	93.1	97.8	74.6	67.3
1982	68.8	48.2	147.2	224.1	86.7	87.9	68.8	53.4
1982								
May	69.7	48.8	147.5	227.7	86.2	88.4	69.9	55.4
June	69.5	49.5	148.6	227.4	86.6	88.7	70.1	55.3
July	68.1	48.9	146.3	223.5	86.4	88.5	68.1	54.4
August ..	67.9	48.5	147.0	221.1	86.2	86.4	69.8	50.6
September	68.3	47.9	147.9	222.3	86.5	87.6	70.1	52.8
October .	67.4	45.8	147.0	216.1	86.3	85.8	67.4	51.4
November.	66.5	45.2	147.0	213.7	85.7	82.9	66.8	47.6
December.	65.3	44.7	145.0	210.3	84.6	83.4	65.4	48.6
1983								
January .	66.2	45.0	143.8	210.3	84.7	84.0	66.4	50.0
February.	67.1	45.3	142.6	210.5	85.8	84.7	65.5	50.9
March ...	67.0	45.2	142.7	210.7	85.9	85.1	62.7	53.7
April ...	67.3	45.3	143.8	210.8	86.6	85.8	66.2	54.3
May	67.3	45.4	143.7	211.4	86.9	86.5	68.4	54.6

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1972	53.5	42.2	110.7	188.7	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.0	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.7	39.6	103.5	161.8	61.3	64.4	49.2	50.8
1982	37.2	33.7	96.1	142.5	55.6	55.8	45.1	38.5
1982								
May	38.1	34.2	96.5	145.2	55.2	56.3	45.9	40.1
June	37.7	35.1	97.6	145.2	55.7	56.7	46.2	40.3
July	36.4	34.4	95.4	142.0	55.5	56.3	44.3	39.4
August ..	36.2	34.0	95.9	139.9	55.3	54.3	46.0	35.8
September	36.8	33.6	97.0	142.0	55.4	55.6	46.6	37.8
October .	36.2	31.8	96.4	136.6	55.0	54.1	44.2	36.6
November.	35.3	31.4	96.5	135.0	54.3	51.4	43.8	33.5
December.	34.5	30.8	94.5	132.1	53.4	52.1	42.5	34.3
1983								
January .	35.4	31.2	93.3	132.0	53.6	52.6	43.5	35.6
February.	36.2	31.5	92.2	132.4	54.6	53.3	42.7	36.4
March ...	36.2	31.6	92.4	132.7	54.7	53.7	40.0	39.0
April ...	36.7	31.6	93.3	133.2	55.4	54.4	43.5	39.6
May	36.6	31.7	93.1	133.9	55.6	55.1	45.5	39.9
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.8
1982	41.0	38.6	40.5	39.9	39.8	40.0	41.1	39.3
1982								
May	41.0	38.8	40.6	40.5	39.7	40.0	41.0	39.3
June	41.5	39.2	41.0	41.0	40.1	41.2	41.8	40.1
July	41.0	36.7	40.4	40.0	39.4	41.1	41.8	39.4
August ..	40.2	38.3	40.7	40.1	39.6	40.3	41.4	37.9
September	41.0	39.1	40.5	39.6	39.8	39.8	41.8	39.5
October .	40.5	38.3	40.2	39.2	39.7	39.3	41.3	39.3
November.	41.2	38.3	41.4	39.2	40.3	39.2	41.3	39.6
December.	41.6	39.1	41.5	39.9	40.5	40.3	41.1	40.3
1983								
January .	42.5	38.7	40.4	39.8	39.9	40.0	41.5	40.1
February.	42.5	38.6	40.4	39.8	40.0	40.2	41.6	40.6
March ...	43.3	39.1	40.8	40.1	40.4	40.8	42.0	41.1
April ...	42.5	39.5	40.8	40.4	40.2	41.1	42.5	41.3
May	42.8	39.2	41.0	40.7	40.3	41.0	42.4	42.6

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1972	$ 4.68	$ 4.48	$ 4.15	$ 4.50	$ 4.06	$ 4.74	$ 4.67	$ 4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1982	9.83	10.22	9.57	10.10	9.31	10.02	10.89	11.72
1982								
May	9.80	10.13	9.54	10.12	9.27	10.06	10.91	11.70
June	9.81	10.25	9.64	10.25	9.31	10.33	10.98	11.71
July	9.68	10.05	9.66	10.22	9.37	10.28	11.06	11.85
August ..	9.79	10.35	9.62	10.18	9.40	10.05	10.91	11.64
September	9.91	10.39	9.68	10.26	9.47	10.08	10.93	11.75
October .	9.92	10.46	9.65	10.15	9.49	10.01	11.01	11.58
November.	9.95	10.44	9.78	10.19	9.50	9.89	11.01	11.65
December.	10.06	10.52	9.84	10.26	9.57	10.05	11.00	12.01
1983								
January .	10.21	10.56	9.85	10.29	9.62	10.16	11.10	12.00
February.	10.21	10.62	9.93	10.28	9.70	10.23	11.12	12.22
March ...	10.34	10.41	10.01	10.25	9.76	10.31	10.99	12.21
April ...	10.24	10.39	10.06	10.31	9.87	10.35	11.14	12.22
May	10.34	10.45	10.09	10.40	9.91	10.49	11.27	12.46
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1972	$197.03	$181.89	$173.89	$190.35	$164.02	$201.45	$196.14	$201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	395.38	346.80	397.85	406.14	474.10
1982	403.03	394.49	387.59	402.99	370.54	400.80	447.58	460.60
1982								
May	401.80	393.04	387.32	409.86	368.02	402.40	447.31	459.81
June	407.12	401.80	395.24	420.25	373.33	425.60	458.96	469.57
July	396.88	368.84	390.26	408.80	369.18	422.51	462.31	466.89
August ..	393.56	396.41	391.53	408.22	372.24	405.02	451.67	441.16
September	406.31	406.25	392.04	406.30	376.91	401.18	456.87	464.13
October .	401.76	400.62	387.93	397.88	376.75	393.39	454.71	455.09
November.	409.94	399.85	404.89	399.45	382.85	387.69	454.71	461.34
December.	418.50	411.33	408.36	409.37	387.59	405.02	452.10	484.00
1983								
January .	433.93	408.67	397.94	409.54	383.84	406.40	460.65	481.20
February.	433.93	409.93	401.17	409.14	388.00	411.25	462.59	496.13
March ...	447.72	407.03	408.41	411.03	394.30	420.65	461.58	501.83
April ...	435.20	410.41	410.45	416.52	396.77	425.39	473.45	504.69
May	442.55	409.64	413.69	423.28	399.37	430.09	477.85	530.80

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
AKRON[b]					CANTON[c]				
1972	282.2	267.3	14.8	5.3	1972	165.6	155.3	10.3	6.2
1973	287.1	274.9	12.2	4.3	1973	171.2	163.1	8.1	4.7
1974	290.8	277.7	13.0	4.5	1974	175.6	167.5	8.1	4.6
1975	292.0	264.3	27.7	9.5	1975	174.7	158.0	16.7	9.6
1976	291.3	266.3	25.0	8.6	1976	174.4	158.6	15.8	9.1
1977	294.2	274.7	19.5	6.6	1977	175.9	163.1	12.9	7.3
1978	298.9	282.2	16.7	5.6	1978	179.9	170.0	9.9	5.5
1979	303.8	285.4	18.4	6.1	1979	184.3	173.7	10.6	5.7
1980	304.5	278.3	26.2	8.6	1980	187.7	170.9	16.8	8.9
1981	304.1	274.9	29.1	9.6	1981	188.4	170.1	18.2	9.7
1982	305.8	269.4	36.4	11.9	1982	192.5	165.1	27.4	14.3
1982					1982				
April	301.8	267.7	34.1	11.3	April	189.5	164.7	24.8	13.1
May	304.3	273.2	31.1	10.2	May	190.4	167.0	23.4	12.3
June	308.7	273.1	35.6	11.5	June	196.6	170.6	26.1	13.3
July	313.7	276.1	37.6	12.0	July	201.2	172.0	29.2	14.5
August	312.7	275.0	37.7	12.1	August	199.7	170.6	29.1	14.6
September	308.5	272.2	36.3	11.8	September	193.0	166.4	26.6	13.8
October	309.3	271.0	38.3	12.4	October	195.8	163.9	31.8	16.3
November	304.7	264.7	39.9	13.1	November	192.9	160.0	32.9	17.1
December	304.5	262.9	41.6	13.7	December	191.0	159.0	32.0	16.8
1983					1983				
January	296.9	252.3	44.6	15.0	January	187.4	153.9	33.5	17.9
February	297.1	254.7	42.5	14.3	February	186.5	154.0	32.5	17.4
March	301.8	261.4	40.4	13.4	March	189.0	157.9	31.1	16.5
April[p]	306.8	267.6	39.2	12.8	April[p]	191.7	161.8	29.9	15.6
CINCINNATI[d]					CLEVELAND[e]				
1972	561.0	529.0	32.0	5.7	1972	873.2	825.2	48.0	5.5
1973	572.0	543.0	29.0	5.1	1973	883.9	849.0	34.9	3.9
1974	595.3	569.8	25.5	4.3	1974	899.1	861.4	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	896.9	826.3	70.6	7.9
1976	604.8	566.6	38.2	6.3	1976	897.7	834.4	63.3	7.0
1977	623.4	588.7	34.7	5.6	1977	908.5	854.4	54.0	5.9
1978	648.3	615.8	32.5	5.0	1978	921.7	878.5	43.2	4.7
1979	663.4	628.1	35.3	5.3	1979	935.8	889.1	46.7	5.0
1980	676.2	628.6	47.5	7.0	1980	937.1	869.1	68.0	7.3
1981	678.5	619.3	59.1	8.7	1981	933.9	854.0	79.8	8.5
1982	682.0	610.4	71.6	10.5	1982	933.7	833.8	100.0	10.7
1982					1982				
April	676.0	607.3	68.7	10.2	April	919.4	829.4	90.0	9.8
May	681.8	616.6	65.1	9.6	May	929.6	841.7	87.9	9.5
June	700.2	627.0	73.2	10.5	June	963.3	858.4	104.9	10.9
July	698.6	625.4	73.3	10.5	July	967.4	862.9	104.5	10.8
August	696.2	624.3	71.8	10.3	August	963.1	855.8	107.3	11.1
September	684.5	617.2	67.3	9.8	September	934.4	833.4	100.9	10.8
October	690.0	614.8	75.2	10.9	October	939.9	829.2	110.7	11.8
November	677.5	602.5	75.0	11.1	November	926.6	811.3	115.3	12.4
December	673.3	598.8	74.5	11.1	December	921.5	807.1	114.3	12.4
1983					1983				
January	INA	INA	INA	INA	January	895.2	776.5	118.7	13.3
February	INA	INA	INA	INA	February	893.4	776.7	116.7	13.1
March	INA	INA	INA	INA	March	913.3	797.9	115.5	12.6
April	INA	INA	INA	INA	April[p]	922.7	812.6	110.1	11.9

---

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary. INA—Information not available.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
		COLUMBUS[f]					DAYTON[g]		
1972	469.1	450.2	18.9	4.0	1972	353.5	336.2	17.3	4.9
1973	485.5	468.3	17.1	3.5	1973	358.0	343.5	14.5	4.1
1974	495.4	475.5	19.9	4.0	1974	359.5	342.5	17.0	4.7
1975	495.0	458.6	36.5	7.4	1975	357.6	327.7	29.9	8.4
1976	503.6	468.5	35.1	7.0	1976	360.5	336.3	24.2	6.7
1977	513.4	483.3	30.1	5.9	1977	368.6	348.3	20.3	5.5
1978	531.4	506.5	24.9	4.7	1978	381.1	363.7	17.3	4.6
1979	543.0	517.1	25.8	4.8	1979	392.2	367.9	24.2	6.2
1980	554.7	523.4	31.4	5.7	1980	390.2	361.0	29.2	7.5
1981	562.4	519.1	43.3	7.7	1981	390.8	357.9	32.8	8.4
1982	568.8	518.0	50.8	8.9	1982	391.1	347.0	44.2	11.3
1982					1982				
April	562.8	512.5	50.3	8.9	April	388.7	344.9	43.8	11.3
May	566.7	519.3	47.4	8.4	May	389.1	348.5	40.7	10.4
June	584.7	531.7	52.9	9.1	June	401.2	354.8	46.4	11.6
July	582.9	530.8	52.1	8.9	July	400.1	355.1	45.0	11.2
August	582.4	529.3	53.1	9.1	August	396.3	351.7	44.6	11.3
September ..	568.2	518.8	49.4	8.7	September ..	391.7	349.6	42.1	10.7
October	574.9	523.8	51.2	8.9	October	393.4	348.3	45.2	11.5
November ...	567.1	513.4	53.6	9.5	November ...	386.5	338.7	47.8	12.4
December ...	564.0	512.3	51.8	9.2	December ...	385.3	338.5	46.8	12.1
1983					1983				
January	548.2	492.8	55.4	10.1	January	375.8	327.8	47.9	12.8
February ...	547.5	493.6	53.9	9.9	February ...	374.6	328.3	46.3	12.4
March	561.1	507.3	53.8	9.6	March	381.7	337.5	44.2	11.6
April[p]	570.2	517.5	52.8	9.3	April[p]	385.8	343.5	42.3	11.0
		TOLEDO[h]					YOUNGSTOWN-WARREN[i]		
1972	329.4	311.3	18.1	5.5	1972	226.9	212.1	14.8	6.5
1973	339.8	324.2	15.6	4.6	1973	232.5	221.8	10.8	4.6
1974	343.8	324.2	19.7	5.7	1974	236.7	223.7	13.0	5.5
1975	344.8	310.2	34.6	10.0	1975	236.7	209.8	26.9	11.4
1976	347.8	319.4	28.4	8.2	1976	234.2	210.5	23.7	10.1
1977	355.0	329.4	25.6	7.2	1977	234.0	215.0	19.0	8.1
1978	362.1	339.7	22.4	6.2	1978	235.2	217.5	17.7	7.5
1979	368.2	341.7	26.4	7.2	1979	237.1	219.9	17.1	7.2
1980	368.2	329.8	38.4	10.4	1980	238.9	210.5	28.4	11.9
1981	367.4	328.0	39.4	10.7	1981	234.0	205.7	28.2	12.1
1982	368.7	322.7	46.1	12.5	1982	237.7	191.5	46.2	19.4
1982					1982				
April	364.1	320.3	43.8	12.0	April	236.0	189.6	46.5	19.7
May	367.5	328.0	39.5	10.7	May	236.4	195.5	41.0	17.3
June	377.9	333.0	44.9	11.9	June	244.4	199.0	45.4	18.6
July	376.7	329.8	46.9	12.5	July	242.8	197.9	44.9	18.5
August	374.0	329.1	44.9	12.0	August	245.6	193.4	51.2	21.2
September ..	371.8	327.0	44.8	12.1	September ..	238.0	192.3	45.7	19.2
October	374.3	326.6	47.7	12.8	October	239.2	190.6	48.5	20.3
November ...	367.5	318.9	48.6	13.2	November ...	237.7	183.0	54.7	23.0
December ...	368.8	316.2	52.6	14.3	December ...	234.2	183.1	51.1	21.8
1983					1983				
January	359.5	307.3	52.2	14.5	January	226.6	178.1	48.4	21.4
February ...	360.3	306.6	53.7	14.9	February ...	223.8	178.7	45.1	20.1
March	366.0	311.0	55.0	15.0	March	227.9	186.2	41.7	18.3
April[p]	368.8	320.2	48.6	13.2	April[p]	230.1	190.7	39.5	17.1

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1972	4,510	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,087	4,660	426	8.4	7.1
1981	5,099	4,607	492	9.6	7.6
1982	5,122	4,481	640	12.5	9.7
1982					
May	5,103	4,536	568	11.1	9.1
June	5,264	4,619	645	12.3	9.8
July	5,274	4,628	646	12.2	9.8
August ..	5,249	4,590	659	12.5	9.6
September	5,136	4,505	631	12.3	9.7
October .	5,177	4,494	683	13.2	9.9
November.	5,088	4,378	710	14.0	10.4
December.	5,058	4,344	714	14.1	10.5
1983					
January .	4,942	4,204	738	14.9	11.4
February.	4,925	4,212	713	14.5	11.3
March ...	5,027	4,339	688	13.7	10.8
April ...	5,088	4,435	653	12.8	10.0
May	5,166	4,502	664	12.9	9.8

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.3	3,103.0
1981	4,317.6	1,232.6	3,085.1
1982	4,138.7	1,103.6	3,035.1
1982			
May	4,180.9	1,116.5	3,064.4
June	4,191.6	1,119.3	3,072.3
July	4,131.3	1,104.6	3,026.7
August ..	4,116.7	1,093.2	3,023.5
September	4,153.3	1,100.5	3,052.8
October .	4,139.2	1,073.5	3,065.7
November.	4,121.4	1,056.9	3,064.5
December.	4,102.5	1,043.9	3,058.6
1983			
January .	4,012.3	1,051.7	2,960.6
February.	4,015.0	1,056.2	2,958.8
March ...	4,036.2	1,059.4	2,976.8
April ...	4,076.0	1,069.4	3,006.6
May	4,114.7	1,075.8	3,038.9

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.6	726.6	203.8	830.9	689.9
1981	30.7	153.7	217.2	232.5	717.7	205.8	851.5	676.0
1982	30.7	135.5	207.6	229.3	707.3	206.4	859.7	658.6
1982								
May	31.3	139.2	209.6	229.8	709.8	205.8	862.7	676.2
June	31.4	142.9	211.0	230.1	714.2	208.0	871.2	663.5
July	31.1	146.1	209.9	229.7	710.8	208.9	867.5	622.8
August ..	30.1	147.7	209.3	229.4	712.5	208.4	869.2	616.8
September	31.0	147.3	208.4	229.1	715.0	207.2	874.8	640.0
October .	30.3	147.2	206.1	229.4	710.7	206.5	871.4	664.1
November.	30.3	142.2	204.6	229.0	718.4	206.8	865.8	667.3
December.	29.0	129.5	203.6	229.0	730.4	207.3	861.7	668.2
1983								
January .	26.6	112.8	195.5	226.3	687.3	205.8	847.0	657.3
February.	28.1	108.8	194.7	225.3	675.0	205.5	853.5	668.0
March ...	27.3	112.7	195.0	226.1	680.4	205.8	859.6	669.9
April ...	27.2	118.8	196.0	226.9	692.0	206.7	872.5	666.6
May	27.7	126.7	197.4	227.4	702.2	207.4	880.1	670.0

---

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures. All data exclude military personnel.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1972	1,346.8	948.8	398.0	979.2	$181.3	40.7
1973	1,426.3	1,018.2	408.1	1,046.7	210.8	44.3
1974	1,416.6	1,013.1	403.5	1,028.7	217.4	42.4
1975	1,267.5	892.4	375.1	897.8	201.5	36.2
1976	1,295.3	910.6	384.6	926.1	233.9	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.3	882.6	381.8	867.8	301.9	35.2
1981	1,232.6	860.4	372.2	847.7	330.4	34.7
1982	1,103.6	755.4	348.3	738.1	298.0	29.6
1982						
May	1,116.5	767.4	349.1	748.8	302.2	30.1
June	1,119.3	768.8	350.5	752.5	311.5	30.6
July	1,104.6	756.9	347.6	738.6	301.2	29.6
August ..	1,093.2	743.3	349.9	728.4	294.6	29.1
September	1,100.5	748.3	352.2	736.6	302.5	29.7
October .	1,073.5	728.5	345.0	712.1	288.1	28.4
November.	1,056.9	713.1	343.8	698.2	285.5	28.1
December.	1,043.9	701.7	342.2	687.1	286.7	28.0
1983						
January .	1,051.7	712.5	339.2	695.0	288.5	28.0
February.	1,056.2	715.7	340.5	700.2	293.6	28.3
March ...	1,059.4	719.1	340.3	703.7	298.6	28.7
April ...	1,069.4	728.0	341.5	713.7	306.8	29.3
May	1,075.8	733.8	342.0	720.1	311.8	29.7

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1972	$185.12	$190.19	$172.60	41.6	41.8	40.9	$4.45	$4.55	$4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1982	403.81	414.80	378.95	40.1	40.0	40.4	10.07	10.37	9.38
1982									
May	403.61	414.63	377.21	40.2	40.1	40.3	10.04	10.34	9.36
June	413.92	426.54	381.92	40.7	40.7	40.5	10.17	10.48	9.43
July	407.82	419.60	379.22	40.1	40.0	40.3	10.17	10.49	9.41
August ..	404.40	415.51	379.89	40.0	39.8	40.5	10.11	10.44	9.38
September	410.66	421.60	385.28	40.3	40.0	40.9	10.19	10.54	9.42
October .	404.59	416.31	378.95	39.9	39.8	40.1	10.14	10.46	9.45
November.	408.83	418.80	387.06	40.2	40.0	40.7	10.17	10.47	9.51
December.	417.18	429.14	390.46	40.7	40.6	40.8	10.25	10.57	9.57
1983									
January .	415.09	427.99	387.03	40.3	40.3	40.4	10.30	10.62	9.58
February.	419.35	433.76	386.72	40.4	40.5	40.2	10.38	10.71	9.62
March ...	424.32	437.38	393.01	40.8	40.8	40.6	10.40	10.72	9.68
April ...	429.91	444.14	397.96	41.1	41.2	40.9	10.46	10.78	9.73
May	433.01	447.69	396.83	41.2	41.3	40.7	10.51	10.84	9.75

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.7	67.4	92.7
1981	61.0	138.3	154.9	204.2	101.9	136.9	69.2	66.1	89.0
1982	54.1	113.3	135.0	179.3	93.2	122.0	66.9	63.2	80.7
1982									
May	54.6	115.7	137.4	182.9	94.2	123.8	65.9	63.9	81.9
June	55.3	115.9	137.0	180.6	94.9	125.8	67.1	63.5	82.2
July	55.5	113.8	133.9	176.6	94.1	124.5	67.0	62.6	81.0
August ..	54.7	112.6	131.9	175.3	92.6	117.1	69.7	62.3	80.6
September	55.0	111.4	133.0	174.1	92.0	123.3	70.9	62.3	80.7
October .	54.6	104.2	129.5	168.9	90.8	121.6	67.7	62.0	78.0
November.	53.1	100.8	128.0	166.1	90.1	117.5	66.6	62.2	78.3
December.	50.3	98.1	127.0	163.4	85.6	120.5	66.3	61.8	77.6
1983									
January .	50.2	100.2	128.3	163.2	89.5	125.1	63.9	61.6	78.0
February.	50.4	102.6	130.1	161.7	88.7	126.1	64.3	61.7	79.3
March ...	50.8	105.4	129.5	160.6	87.9	127.9	64.0	61.8	79.3
April ...	52.4	105.9	130.5	160.3	90.2	130.9	63.7	61.7	80.3
May	52.7	105.4	131.8	162.3	90.5	132.8	63.6	61.8	80.9
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1972	$175.14	$204.61	$187.87	$193.46	$164.42	$219.99	$173.43	$187.21	$180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	358.45	381.11
1982									
May	372.20	473.07	400.57	387.29	366.96	522.22	385.40	358.45	380.55
June	379.86	495.67	408.18	401.79	366.16	541.37	390.45	354.52	395.37
July	380.14	488.71	405.[illegible]3	390.04	358.75	528.24	385.02	351.50	385.70
August ..	380.83	496.98	399.35	391.24	365.98	502.18	389.06	351.22	385.15
September	393.65	492.35	401.32	394.18	364.94	528.58	400.26	357.27	380.57
October .	386.78	477.98	401.37	399.78	374.46	502.94	387.28	355.15	368.54
November.	387.69	478.37	407.42	393.39	374.14	518.13	393.71	364.65	380.70
December.	391.35	488.67	420.65	405.42	383.60	526.87	402.66	374.74	388.69
1983									
January .	385.01	486.16	427.00	401.37	380.09	517.33	391.68	370.02	392.22
February.	381.35	500.47	433.78	405.38	379.20	529.44	384.87	362.36	397.57
March ...	387.32	487.71	441.56	407.82	380.25	543.26	389.50	371.14	406.27
April ...	388.95	497.68	451.26	411.25	384.40	549.25	396.47	369.64	411.83
May	398.40	494.43	452.28	418.72	386.32	559.88	400.61	367.16	411.70

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
MAY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	May 1983[b]	April 1983[c]	May 1982	April 1983	May 1982
TOTAL	4114.7	4076.0	4180.9	1.0	- 1.6
MANUFACTURING	1075.8	1069.4	1116.5	.6	- 3.6
Durable Goods[e]	733.8	728.0	767.4	.8	- 4.4
Lumber and wood products	12.5	12.2	12.3	2.3	1.5
Furniture and fixtures	13.3	13.3	13.7	.1	- 2.5
Household furniture	6.1	6.2	6.4	- 1.1	- 4.5
Stone, clay, and glass products	52.7	52.4	54.6	.7	- 3.4
Glass and glassware, pressed or blown	14.2	14.3	13.8	- .3	3.0
Structural clay products	5.1	4.8	4.9	5.6	4.2
Pottery and related products	5.6	5.6	5.7	1.1	- 1.7
Primary metal industries	105.4	105.9	115.7	- .5	- 8.9
Blast furnace and basic steel products	52.7	53.6	60.2	- 1.6	- 12.5
Iron and steel foundries	20.8	20.8	23.3	.3	- 10.4
Nonferrous rolling and drawing	18.0	17.8	17.6	1.2	2.5
Nonferrous foundries	8.3	8.3	8.5	- .1	- 2.3
Fabricated metal products	131.8	130.5	137.4	1.0	- 4.1
Cutlery, hand tools, and hardware	11.4	11.2	11.2	2.0	1.4
Plumbing and heating, except electric.	4.1	4.1	4.6	.6	- 10.6
Fabricated structural metal products	30.2	30.3	31.7	- .3	- 4.7
Screw machine products, bolts, etc.	8.6	8.6	9.3	- .7	- 8.2
Metal forgings and stampings	38.7	37.9	39.2	2.1	- 1.4
Machinery, except electrical	162.3	160.3	182.9	1.3	- 11.2
Construction and related machinery	18.0	17.0	22.6	6.3	- 20.4
Metalworking machinery	39.8	40.0	48.1	- .4	- 17.3
Special industry machinery	17.5	17.4	18.9	.5	- 7.4
General industrial machinery	31.8	31.4	35.7	1.1	- 11.0
Electric and electronic equipment	90.5	90.2	94.2	.3	- 3.9
Electrical industrial apparatus	18.9	18.8	21.7	.4	- 12.9
Household appliances	15.6	15.6	15.1	.3	3.5
Electric lighting and wiring equipment	18.1	18.1	18.8	.1	- 3.8
Communication equipment	10.3	10.3	10.6	- .1	- 2.9
Transportation equipment	132.8	130.9	123.8	1.5	7.3
Motor vehicles and equipment	87.8	86.1	80.6	2.0	8.9
Aircraft and parts	36.6	36.3	35.2	.7	3.9
Instruments and related products	19.6	19.6	19.9	.2	- 1.7
Measuring and controlling devices	12.0	11.8	12.2	1.1	- 2.2
Nondurable Goods[f]	342.0	341.5	349.1	.2	- 2.0
Food and kindred products	63.6	63.7	65.9	- .1	- 3.5
Meat products	10.0	10.2	11.2	- 1.7	- 11.1
Dairy products	10.8	10.8	11.1	- .4	- 2.6
Bakery products	10.2	10.0	10.5	1.5	- 3.0
Beverages	10.4	10.6	10.4	- 2.2	- .2
Textile mill products	4.2	4.2	4.4	- .3	- 5.0
Apparel and other textile products	16.6	16.7	16.3	- .3	1.8
Paper and allied products	34.5	34.7	35.7	- .6	- 3.4
Paper mills, except building paper	8.9	8.9	9.1	.2	- 2.2
Misc. converted paper products	11.2	11.3	11.5	- 1.4	- 2.9
Paperboard containers and boxes	11.5	11.4	11.7	.7	- 2.2
Printing and publishing	61.8	61.7	63.9	.1	- 3.4
Newspapers	18.3	18.2	19.3	.5	- 5.3
Commercial printing	22.1	22.2	23.4	- .3	- 5.2
Chemicals and allied products	64.9	64.7	65.7	.2	- 1.4
Industrial inorganic chemicals	12.2	12.3	12.4	- .3	- 1.4
Plastics materials and synthetics	8.9	8.9	9.1	- .5	- 2.3
Petroleum and coal products	9.7	9.6	9.4	1.4	3.2
Rubber and misc. plastics products	80.9	80.3	81.9	.7	- 1.2
Tires and inner tubes	20.8	20.8	22.7	.0	- 8.6
Miscellaneous plastics products	41.2	40.7	40.0	1.2	2.9
Leather and leather products	5.8	5.8	5.6	- .3	2.2

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]

MAY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1983[b]	April 1983[c]	May 1982[c]	May 1983[b]	Apr. 1983[c]	May 1982[c]	May 1983[b]	Apr. 1983[c]	May 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$433.01	$429.91	$403.61	41.2	41.1	40.2	$10.51	$10.46	$10.04
Durable Goods[d]	447.69	444.14	414.63	41.3	41.2	40.1	10.84	10.78	10.34
Lumber and wood products	297.08	295.20	284.47	40.2	40.0	39.4	7.39	7.38	7.22
Furniture and fixtures	316.11	318.52	287.51	41.0	41.8	38.8	7.71	7.62	7.41
Household furniture	271.47	279.60	256.41	39.4	41.3	38.5	6.89	6.77	6.66
Stone, clay, and glass products	398.40	388.95	372.20	41.2	40.6	40.5	9.67	9.58	9.19
Glass and glassware, pressed or blown.	414.87	407.15	366.15	39.7	39.8	38.3	10.45	10.23	9.56
Structural clay products	312.06	306.71	292.93	42.4	41.9	41.2	7.36	7.32	7.11
Pottery and related products	315.93	316.01	295.64	37.7	37.8	38.0	8.38	8.36	7.78
Primary metal industries	494.43	497.68	473.07	40.1	40.2	39.0	12.33	12.38	12.13
Blast furnace and basic steel products	506.73	507.89	487.12	38.8	38.8	37.1	13.06	13.09	13.13
Iron and steel foundries	485.80	488.72	477.88	41.1	41.0	41.7	11.82	11.92	11.46
Nonferrous rolling and drawing	520.81	530.46	483.09	41.4	42.0	39.5	12.58	12.63	12.23
Nonferrous foundries	389.67	390.69	352.35	41.9	42.1	41.6	9.30	9.28	8.47
Fabricated metal products	452.28	451.26	400.57	41.8	41.9	39.7	10.82	10.77	10.09
Cutlery, hand tools, and hardware	464.39	468.13	384.53	40.7	41.1	38.3	11.41	11.39	10.04
Plumbing and heating, except electric.	324.69	332.24	336.80	38.7	39.6	37.8	8.39	8.39	8.91
Fabricated structural metal products	401.39	388.87	354.28	40.3	39.6	38.3	9.96	9.82	9.25
Screw machine products, bolts, etc.	387.57	373.46	345.54	41.1	40.2	39.4	9.43	9.29	8.77
Metal forgings and stampings	549.25	556.85	485.44	43.8	44.3	41.0	12.54	12.57	11.84
Machinery, except electrical	418.72	411.25	387.29	40.3	40.2	39.6	10.39	10.23	9.78
Construction and related machinery	412.72	387.73	395.97	38.5	38.2	39.4	10.72	10.15	10.05
Metalworking machinery	392.45	403.92	376.94	38.4	39.6	38.9	10.22	10.20	9.69
Special industry machinery	396.01	391.72	368.24	40.7	40.3	40.6	9.73	9.72	9.07
General industrial machinery	413.88	410.06	389.65	40.3	40.4	39.2	10.27	10.15	9.94
Electric and electronic equipment	386.32	384.40	366.96	40.2	40.0	39.8	9.61	9.61	9.22
Electrical industrial apparatus	347.92	351.88	344.18	37.9	38.0	38.2	9.18	9.26	9.01
Household appliances	405.02	405.00	366.05	40.3	40.5	38.9	10.05	10.00	9.41
Electric lighting and wiring equipment	389.27	377.51	372.94	41.5	40.9	41.3	9.38	9.23	9.03
Communication equipment	414.00	416.24	393.61	40.0	40.1	39.4	10.35	10.38	9.99
Transportation equipment	559.88	549.25	522.22	44.4	43.8	42.7	12.61	12.54	12.23
Motor vehicles and equipment	593.71	574.09	553.78	45.6	44.4	43.4	13.02	12.93	12.76
Aircraft and parts	479.83	492.37	435.11	41.4	42.3	40.4	11.59	11.64	10.77
Instruments and related products	294.84	299.81	281.19	39.0	39.5	39.0	7.56	7.59	7.21
Measuring and controlling devices	289.17	296.04	279.80	38.2	38.8	38.7	7.57	7.63	7.23
Nondurable Goods[e]	396.83	397.96	377.21	40.7	40.9	40.3	9.75	9.73	9.36
Food and kindred products	400.61	396.47	385.40	41.3	41.0	41.0	9.70	9.67	9.40
Meat products	404.84	396.61	427.87	41.1	39.9	41.5	9.85	9.94	10.31
Dairy products	391.11	395.17	381.92	42.1	43.0	43.4	9.29	9.19	8.80
Bakery products	407.84	400.00	374.00	40.5	40.0	40.0	10.07	10.00	9.35
Beverages	356.29	350.61	324.70	39.5	39.0	37.8	9.02	8.99	8.59
Textile mill products	298.60	289.20	273.91	41.3	40.0	40.4	7.23	7.23	6.78
Apparel and other textile products	226.94	227.17	215.28	36.9	36.7	36.8	6.15	6.19	5.85
Paper and allied products	412.90	413.69	384.77	43.1	43.5	42.8	9.58	9.51	8.99
Paper mills, except building paper	498.02	497.72	494.56	45.9	46.0	47.6	10.85	10.82	10.39
Misc. converted paper products	367.00	370.97	330.46	41.8	42.3	40.3	8.78	8.77	8.20
Paperboard containers and boxes	379.20	379.48	351.07	41.9	42.4	41.4	9.05	8.95	8.48
Printing and publishing	367.16	369.64	358.45	36.9	37.3	37.3	9.95	9.91	9.61
Newspapers	320.96	321.64	332.59	32.0	32.1	32.8	10.03	10.02	10.14
Commercial printing	375.62	379.78	366.53	37.6	38.4	38.3	9.99	9.89	9.57
Chemicals and allied products	446.63	443.36	413.71	40.9	40.9	40.8	10.92	10.84	10.14
Industrial inorganic chemicals	469.68	465.76	434.68	41.2	41.0	40.7	11.40	11.36	10.68
Plastics materials and synthetics	496.50	495.38	450.88	43.4	43.8	42.9	11.44	11.31	10.51
Petroleum and coal products	591.06	634.60	606.15	42.1	44.1	44.9	14.04	14.39	13.50
Rubber and misc. plastics products	411.70	411.83	380.55	42.4	42.5	40.7	9.71	9.69	9.35
Tires and inner tubes	533.63	543.75	524.96	43.0	43.5	43.1	12.41	12.50	12.18
Miscellaneous plastics products	405.98	403.85	352.04	42.6	42.6	39.6	9.53	9.48	8.89
Leather and leather products	215.12	217.95	190.94	38.9	39.2	36.3	5.53	5.56	5.26

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
MAY 1983 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	May 1983[b]	April 1983[c]	May 1982[c]	April 1983	May 1982
NONMANUFACTURING	3038.9	3006.6	3064.4	1.1	- .8
MINING	27.7	27.2	31.3	2.0	- 11.5
Bituminous coal and lignite mining	10.3	10.3	13.8	- .6	- 25.4
CONSTRUCTION	126.7	118.8	139.2	6.7	- 9.0
General building contractors	29.9	28.5	32.3	4.7	- 7.5
Heavy construction contractors	20.0	17.1	25.7	17.0	- 22.0
TRANSPORTATION AND PUBLIC UTILITIES	197.4	196.0	209.6	.7	- 5.8
Railroad transportation	20.6	20.3	24.6	1.4	- 16.5
Transportation, except railroads	85.2	84.0	88.3	1.4	- 3.6
Trucking and warehousing	60.7	60.0	64.0	1.1	- 5.3
Communication, electric, gas services	91.7	91.7	96.6	- .1	- 5.1
Communication	51.5	51.6	55.3	- .1	- 6.8
Electric, gas, and sanitary services	40.2	40.2	41.3	.0	- 2.8
WHOLESALE TRADE	227.4	226.9	229.8	.2	- 1.0
Wholesale trade-durable goods	143.5	143.4	145.9	.0	- 1.7
Motor vehicles & automotive equipment	20.7	20.7	20.7	.3	- .1
Electrical goods	18.9	18.8	19.1	.3	- .9
Machinery, equipment, and supplies	61.5	61.5	62.1	.0	- 1.0
Wholesale trade-nondurable goods	84.0	83.4	83.9	.6	.1
Groceries and related products	25.6	25.5	25.2	.3	1.8
RETAIL TRADE	702.2	692.0	709.8	1.5	- 1.1
General merchandise stores	107.1	106.9	111.6	.2	- 4.0
Department stores	97.7	97.6	101.7	.1	- 4.0
Food stores	116.4	115.7	115.7	.6	.5
Automotive dealers & service stations	75.2	74.6	77.1	.7	- 2.5
Apparel and accessory stores	32.0	32.0	33.0	.0	- 3.2
FINANCE, INSURANCE, AND REAL ESTATE	207.4	206.7	205.8	.3	.8
Banking	58.0	58.1	59.1	- .2	- 1.8
Credit agencies other than banks	30.4	30.3	29.8	.3	2.0
Insurance carriers	59.3	59.4	59.3	- .1	.1
SERVICES	880.1	872.5	862.7	.9	2.0
Hotels and other lodging places	29.4	28.2	30.0	4.4	- 1.9
Laundry, cleaning, & garment services	16.4	16.1	16.9	1.5	- 3.1
Business services	120.3	119.8	119.8	.4	.5
Health services	322.2	321.0	309.7	.4	4.0
Hospitals	175.8	175.5	171.5	.2	2.5
GOVERNMENT	670.0	666.6	676.2	.5	- .9
Federal government	87.7	87.8	88.5	- .1	- .9
State government	145.6	146.8	144.3	- .8	.9
State government, except education	70.4	70.5	70.6	- .1	- .4
State government education[i]	75.3	76.3	73.6	- 1.3	2.2
Local government	436.7	432.0	443.4	1.1	- 1.5
Local government, except education	183.3	181.0	182.9	1.3	.2
Local government education	253.4	251.0	260.5	.9	- 2.7

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
MAY 1983 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1983[b]	April 1983[c]	May 1982[c]	May 1983[b]	Apr. 1983[c]	May 1982[c]	May 1983[b]	Apr. 1983[c]	May 1982[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$442.19	$442.26	$441.18	42.6	42.0	43.0	$10.38	$10.53	$10.26
Bituminous coal and lignite mining	554.04	557.40	514.58	42.1	42.1	41.7	13.16	13.24	12.34
CONSTRUCTION	574.56	538.14	547.50	37.9	35.9	38.1	15.16	14.99	14.37
General building contractors	514.76	486.79	500.61	36.9	35.3	37.0	13.95	13.79	13.53
Heavy construction contractors	583.59	513.22	588.29	39.7	35.2	40.6	14.70	14.58	14.49
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	461.25	460.88	464.63	36.9	36.9	37.5	12.50	12.49	12.39
Communication, electric, gas services	447.68	444.89	412.40	39.9	39.9	40.0	11.22	11.15	10.31
Communication	442.01	436.55	396.70	39.5	39.4	39.2	11.19	11.08	10.12
Electric, gas, and sanitary services	454.50	455.63	432.55	40.4	40.5	41.0	11.25	11.25	10.55
WHOLESALE TRADE	326.04	322.37	306.89	39.0	38.7	38.7	8.36	8.33	7.93
Wholesale trade—durable goods	319.12	317.07	298.38	39.3	39.0	38.7	8.12	8.13	7.71
Motor vehicles & automotive equipment	278.16	271.22	249.95	38.0	36.9	37.7	7.32	7.35	6.63
Electrical goods	262.88	261.43	251.78	37.5	37.4	37.3	7.01	6.99	6.75
Machinery, equipment, and supplies	353.63	355.91	327.32	39.6	39.9	39.2	8.93	8.92	8.35
Wholesale trade—nondurable goods	338.52	330.22	323.20	38.6	38.0	38.8	8.77	8.69	8.33
Groceries and related products	364.91	354.08	354.50	40.5	40.1	40.7	9.01	8.83	8.71
RETAIL TRADE[f]	159.30	156.89	152.54	29.5	29.0	29.0	5.40	5.41	5.26
General merchandise stores	162.71	159.97	155.40	30.3	29.9	29.6	5.37	5.35	5.25
Department stores	165.44	162.90	157.47	30.3	30.0	29.6	5.46	5.43	5.32
Food stores	223.70	222.17	222.38	31.2	30.9	30.8	7.17	7.19	7.22
Automotive dealers & service stations	210.39	206.91	200.51	36.4	36.3	37.2	5.78	5.70	5.39
Apparel and accessory stores	114.81	114.11	113.13	25.8	25.7	27.0	4.45	4.44	4.19
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	213.14	213.56	198.98	....	....	....	....	....	....
Credit agencies other than banks	209.51	209.60	200.31	....	....	....	....	....	....
Insurance carriers	286.67	286.23	269.60	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	277.30	277.10	259.63	33.9	34.0	33.5	8.18	8.15	7.75
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
MAY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	May 1983[b]	April 1983[c]	May 1982[c]	April 1983	May 1982
TOTAL	251.8	248.9	254.3	1.2	- 1.0
MANUFACTURING	67.3	67.3	69.7	- .1	- 3.5
Durable Goods[e]	33.8	33.8	34.7	- .2	- 2.8
Stone, clay, and glass products	1.9	2.0	1.7	- 2.2	14.2
Fabricated metal products	12.4	12.5	12.8	- .9	- 3.2
Machinery, except electrical	9.0	8.9	10.0	.6	- 10.3
Special industry machinery	1.5	1.5	2.1	- .9	- 29.3
Nondurable Goods[f]	33.5	33.5	35.0	- .1	- 4.2
Food and kindred products	2.5	2.5	2.7	- .5	- 5.3
Chemicals and allied products	3.1	3.1	3.2	.2	- 1.7
Rubber and misc. plastics products	23.0	23.0	24.3	- .1	- 5.3
Tires and inner tubes	16.7	16.8	18.4	- .3	- 9.2
NONMANUFACTURING[g]	184.5	181.5	184.6	1.6	- .1
CONSTRUCTION	6.9	6.1	7.1	12.3	- 2.2
TRANSPORTATION AND PUBLIC UTILITIES	12.8	12.7	13.2	.2	- 3.1
Communication, electric, gas services	5.4	5.4	5.5	.5	- 1.6
WHOLESALE TRADE	12.5	12.5	12.5	.3	.2
RETAIL TRADE	46.2	45.6	45.8	1.4	.9
FINANCE, INSURANCE, AND REAL ESTATE	9.2	9.2	9.3	.1	- .5
SERVICES	52.8	51.6	52.7	2.2	.0
GOVERNMENT	43.4	43.1	43.3	.7	.4
State government (includes education)	14.7	14.7	14.1	.1	4.4
Local government (includes education)	26.7	26.4	27.1	1.0	- 1.7

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
MAY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1983[b]	April 1983[c]	May 1982[c]	May 1983[b]	Apr. 1983[c]	May 1982[c]	May 1983[b]	Apr. 1983[c]	May 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$442.55	$435.20	$401.80	42.8	42.5	41.0	$10.34	$10.24	$ 9.80
Durable Goods[d]	449.02	438.70	390.86	43.3	42.8	40.8	10.37	10.25	9.58
Stone, clay, and glass products	380.55	380.14	385.90	40.7	40.7	42.5	9.35	9.34	9.08
Fabricated metal products	508.52	491.18	385.53	43.8	43.2	39.3	11.61	11.37	9.81
Machinery, except electrical	422.69	409.97	396.58	44.4	43.8	42.1	9.52	9.36	9.42
Special industry machinery	409.70	385.70	343.01	42.5	40.6	39.7	9.64	9.50	8.64
Nondurable Goods[e]	432.18	428.82	416.90	42.0	42.0	41.4	10.29	10.21	10.07
Food and kindred products	456.63	430.96	424.39	44.9	43.4	44.3	10.17	9.93	9.58
Chemicals and allied products	445.21	448.36	416.36	41.3	41.4	40.7	10.78	10.83	10.23
Rubber and misc. plastics products	448.31	445.55	442.85	42.9	42.8	42.5	10.45	10.41	10.42
Tires and inner tubes	581.14	573.30	557.87	44.6	44.1	44.1	13.03	13.00	12.65
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	550.93	514.22	560.27	37.2	35.1	38.8	14.81	14.65	14.44
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	451.20	446.08	407.15	40.0	39.9	39.8	11.28	11.18	10.23
WHOLESALE TRADE	298.26	291.43	282.50	39.4	38.6	39.4	7.57	7.55	7.17
RETAIL TRADE[f]	176.10	170.82	168.99	30.0	29.3	29.7	5.87	5.83	5.69
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Date relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
MAY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	May 1983[b]	April 1983[c]	May 1982[c]	April 1983	May 1982
TOTAL	148.0	146.6	151.2	1.0	- 2.1
MANUFACTURING	45.4	45.3	48.8	.3	- 6.9
Durable Goods[e]	34.5	34.4	37.5	.3	- 8.1
Stone, clay, and glass products	1.9	1.9	1.9	.0	3.9
Primary metal industries	10.8	10.8	11.3	.5	- 4.3
Fabricated metal products	7.7	7.6	8.8	.6	- 13.3
Fabricated structural metal products	2.3	2.3	2.9	.7	- 22.5
Metal forgings and stampings	2.2	2.1	2.5	1.3	- 13.8
Nondurable Goods[f]	11.0	11.0	11.3	.2	- 3.0
Food and kindred products	3.9	3.9	4.2	.2	- 6.4
Rubber and misc. plastics products	2.8	2.8	2.7	- .1	1.3
NONMANUFACTURING[g]	102.5	101.3	102.4	1.3	.2
CONSTRUCTION	4.5	4.1	4.8	8.9	- 7.1
TRANSPORTATION AND PUBLIC UTILITIES	6.1	6.1	6.5	.8	- 6.3
Communication, electric, gas services	3.0	3.0	3.1	.1	- 2.1
WHOLESALE TRADE	7.8	7.8	7.7	.1	.7
RETAIL TRADE	26.3	25.9	26.1	1.3	.8
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.4	6.4	.5	.8
SERVICES	31.6	31.4	30.7	.6	3.0
GOVERNMENT	18.6	18.3	18.8	1.3	- 1.2
Local government (includes education)	15.7	15.5	15.7	1.6	.2

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
MAY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1983[b]	Apr. 1983[c]	May 1982[c]	May 1983[b]	Apr. 1983[c]	May 1982[c]	May 1983[b]	Apr. 1983[c]	May 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$409.64	$410.41	$393.04	39.2	39.5	38.8	$10.45	$10.39	$10.13
Durable Goods[d]	421.30	422.41	400.28	39.3	39.7	38.6	10.72	10.64	10.37
Stone, clay, and glass products	286.21	276.49	265.16	41.6	40.6	39.4	6.88	6.81	6.73
Primary metal industries	445.66	449.16	439.70	37.8	38.0	36.1	11.79	11.82	12.18
Fabricated metal products	472.73	483.81	426.89	41.0	41.6	39.6	11.53	11.63	10.78
Fabricated structural metal products	466.88	460.51	389.05	41.5	41.6	39.1	11.25	11.07	9.95
Metal forgings and stampings	540.02	571.58	522.86	40.3	41.6	41.3	13.40	13.74	12.66
Nondurable Goods[e]	368.99	368.99	364.06	38.8	38.8	39.4	9.51	9.51	9.24
Food and kindred products	427.57	424.79	411.34	39.7	39.7	38.3	10.77	10.70	10.74
Rubber and misc. plastics products	377.73	372.50	381.92	41.6	40.8	44.0	9.08	9.13	8.68
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	540.65	492.36	516.96	35.9	33.7	35.9	15.06	14.61	14.40
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	449.67	447.60	420.21	39.9	40.0	40.6	11.27	11.19	10.35
WHOLESALE TRADE	299.88	300.56	288.79	36.0	36.3	37.8	8.33	8.28	7.64
RETAIL TRADE[f]	158.30	155.93	148.12	29.7	29.2	29.1	5.33	5.34	5.09
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroacti[illegible] and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
MAY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	May 1983[b]	April 1983[c]	May 1982[c]	April 1983	May 1982
TOTAL	574.0	570.4	580.7	.6	- 1.1
MANUFACTURING	143.7	143.8	147.5	- .1	- 2.6
Durable Goods[e]	79.2	78.8	81.4	.5	- 2.7
Furniture and fixtures	2.0	2.1	2.1	- 1.4	- 5.0
Primary metal industries	1.7	1.7	2.2	- .6	- 20.5
Fabricated metal products	12.2	12.0	12.6	1.2	- 2.9
Fabricated structural metal products	3.8	3.8	4.1	1.1	- 5.9
Machinery, except electrical	21.5	21.3	23.3	.6	- 7.9
Metalworking machinery	10.4	10.2	11.3	1.8	- 8.2
General industrial machinery	3.5	3.5	3.7	.2	- 7.1
Electric and electronic equipment	7.7	7.6	7.9	1.2	- 2.5
Transportation equipment	24.0	23.9	23.4	.3	2.4
Motor vehicles and equipment	9.2	9.2	9.0	- .2	2.1
Nondurable Goods[f]	64.5	65.0	66.2	- .8	- 2.5
Food and kindred products	14.0	14.4	15.5	- 2.8	- 9.9
Meat products	1.9[h]	2.1	2.5	- 11.3	- 24.7
Bakery products	2.4	2.3	2.3	.6	1.0
Beverages	4.0	4.2	4.2	- 4.5	- 3.6
Apparel and other textile products	3.8	3.7	3.6	3.0	5.1
Paper and allied products	5.8	5.7	6.0	2.1	- 3.1
Printing and publishing	11.3	11.4	11.6	- .9	- 2.6
Chemicals and allied products	21.8	21.9	21.8	- .3	- .1
Rubber and misc. plastics products	4.3	4.4	4.2	- 2.2	1.9
NONMANUFACTURING[g]	430.4	426.6	433.2	.9	- .6
CONSTRUCTION	18.5	17.7	21.0	4.8	- 12.0
TRANSPORTATION AND PUBLIC UTILITIES	31.3	31.1	32.6	.6	- 4.0
Communication, electric, gas services	14.4	14.4	14.6	.2	- 1.8
WHOLESALE TRADE	36.8	36.7	37.2	.1	- 1.2
RETAIL TRADE	101.8	100.7	101.8	1.0	- .1
FINANCE, INSURANCE, AND REAL ESTATE	32.2	32.2	32.3	.1	- .4
Banking	7.2	7.2	7.4	- .2	- 2.4
Insurance carriers	11.3	11.3	11.4	- .4	- .8
SERVICES	129.7	128.2	125.3	1.1	3.5
GOVERNMENT	79.8	79.5	82.5	.3	- 3.3
Federal government	12.2	12.3	12.8	- .7	- 4.0
State government (includes education)	18.3	18.4	18.6	- .5	- 1.3
Local government	49.2	48.8	51.1	.8	- 3.8
Local government, except education	21.6	21.3	21.8	1.2	- 1.2
Local government education	27.6	27.5	29.3	.5	- 5.8

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
MAY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1983[b]	Apr. 1983[c]	May 1982[c]	May 1983[b]	Apr. 1983[c]	May 1982[c]	May 1983[b]	Apr. 1983[c]	May 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$413.69	$410.45	$387.32	41.0	40.8	40.6	$10.09	$10.06	$ 9.54
Durable Goods[d]	399.50	393.73	379.20	40.6	40.3	40.6	9.84	9.77	9.34
Furniture and fixtures	317.75	305.37	255.94	41.0	39.2	35.4	7.75	7.79	7.23
Primary metal industries	419.60	405.91	348.12	37.1	37.9	36.0	11.31	10.71	9.67
Fabricated metal products	383.64	374.51	365.65	41.7	41.2	40.9	9.20	9.09	8.94
Fabricated structural metal products	344.97	343.71	321.14	40.3	40.2	39.5	8.56	8.55	8.13
Machinery, except electrical	356.18	353.99	343.57	38.8	38.9	39.4	9.18	9.10	8.72
Metalworking machinery	384.85	383.25	368.26	37.4	37.5	38.4	10.29	10.22	9.59
General industrial machinery	362.10	341.07	352.56	42.7	40.7	40.9	8.48	8.38	8.62
Electric and electronic equipment	303.36	301.85	291.95	39.5	39.1	39.4	7.68	7.72	7.41
Transportation equipment	543.93	539.22	517.75	42.1	41.8	42.3	12.92	12.90	12.24
Motor vehicles and equipment	614.32	594.18	601.37	43.6	42.2	43.8	14.09	14.08	13.73
Nondurable Goods[e]	428.90	427.87	396.26	41.4	41.3	40.6	10.36	10.36	9.76
Food and kindred products	489.34	486.92	457.45	43.0	42.9	41.7	11.38	11.35	10.97
Meat products	416.66	402.19	470.98	42.3	40.3	42.7	9.85	9.98	11.03
Bakery products	438.77	428.08	386.98	43.4	42.3	41.3	10.11	10.12	9.37
Beverages	443.64	438.90	403.79	41.5	41.8	40.5	10.69	10.50	9.97
Apparel and other textile products	228.33	232.62	232.32	38.7	38.9	38.4	5.90	5.98	6.05
Paper and allied products	362.23	361.21	348.14	40.7	41.0	41.2	8.90	8.81	8.45
Printing and publishing	415.28	420.55	374.36	39.4	39.9	38.2	10.54	10.54	9.80
Chemicals and allied products	491.30	477.71	434.93	41.6	40.9	40.8	11.81	11.68	10.66
Rubber and misc. plastics products	376.06	385.05	323.05	45.2	45.3	41.9	8.32	8.50	7.71
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	545.88	509.08	541.88	38.2	35.6	37.5	14.29	14.30	14.45
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	431.59	430.81	392.03	39.2	39.2	38.7	11.01	10.99	10.13
WHOLESALE TRADE	330.19	331.35	311.24	38.8	38.8	39.1	8.51	8.54	7.96
RETAIL TRADE[f]	160.96	156.45	151.63	30.6	29.8	29.5	5.26	5.25	5.14
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	220.05	219.23	198.89	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
MAY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	May 1983[b]	April 1983[c]	May 1982[c]	April 1983	May 1982
TOTAL	831.4	825.8	854.5	.7	- 2.7
MANUFACTURING	211.4	210.8	227.7	.3	- 7.2
Durable Goods[e]	147.2	146.8	163.2	.2	- 9.8
Furniture and fixtures	1.8	1.9	2.1	- 4.7	- 13.4
Primary metal industries	23.6	23.8	26.8	- .8	- 12.0
Blast furnace and basic steel products	11.8	11.9	14.2	- 1.1	- 17.1
Iron and steel foundries	5.8	5.9	6.3	- 1.0	- 7.0
Nonferrous foundries	2.4	2.5	2.7	- 4.7	- 9.4
Fabricated metal products	31.7	31.8	34.7	- .4	- 8.7
Fabricated structural metal products	3.8	3.8	4.1	.3	- 8.1
Screw machine products, bolts, etc.	4.6	4.6	5.0	- .9	- 8.4
Metal forgings and stampings	10.6	10.7	12.2	- 1.5	- 13.2
Machinery, except electrical	32.4	31.6[h]	40.2	2.5	- 19.5
Construction and related machinery	5.6	4.7[h]	7.4	17.5	- 25.2
Metalworking machinery	10.6	10.8	13.6	- 1.7	- 21.7
Special industry machinery	3.1	3.1	3.5	- .5	- 10.9
General industrial machinery	2.7	2.6	3.6	1.9	- 25.6
Electric and electronic equipment	23.3	23.3	24.0	- .2	- 3.3
Electrical industrial apparatus	8.0	8.0	8.7	- .7	- 8.9
Transportation equipment	20.8	20.9	21.0	- .5	- 1.2
Motor vehicles and equipment	14.6	14.7	14.3	- .7	1.8
Instruments and related products	5.7	5.7	5.9	.1	- 4.0
Nondurable Goods[f]	64.2	64.0	64.5	.3	- .4
Food and kindred products	7.9	7.8	7.8	.5	1.3
Bakery products	1.7	1.7	1.8	.6	- 4.3
Beverages	1.6	1.6	1.6	1.5	3.7
Apparel and other textile products	5.3	5.5	5.4	- 3.2	- 1.5
Paper and allied products	5.0	5.0	4.9	.1	1.9
Printing and publishing	15.2	15.0	15.5	1.0	- 2.4
Chemicals and allied products	14.6	14.6	15.2	- .1	- 4.2
Industrial inorganic chemicals	3.7	3.7	3.9	- 1.5	- 6.7
Rubber and misc. plastics products	10.3	10.2	10.1	1.5	2.5
NONMANUFACTURING[g]	620.0	615.0	626.8	.8	- 1.1
CONSTRUCTION	24.2	23.3	24.8	4.0	- 2.3
TRANSPORTATION AND PUBLIC UTILITIES	41.6	41.5	43.8	.3	- 5.0
Communication, electric, gas services	19.5	19.6	20.3	- .8	- 4.2
WHOLESALE TRADE	60.0	59.9	61.3	.1	- 2.1
RETAIL TRADE	132.8	130.7	134.9	1.5	- 1.6
FINANCE, INSURANCE, AND REAL ESTATE	47.7	47.6	48.2	.0	- 1.1
Banking	13.0	13.1	13.6	- .4	- 4.1
Insurance carriers	12.0	12.0	12.2	- .2	- 1.8
SERVICES	196.6	195.5	193.3	.5	1.7
GOVERNMENT	116.1	115.3	119.2	.7	- 2.6
Federal government	19.0	19.1	19.4	- .5	- 2.4
State government (includes education)	7.8	8.1	7.7	- 4.5	.9
Local government	89.4	88.1	92.1	1.4	- 3.0
Local government, except education	45.6	45.0	45.1	1.4	1.1
Local government education	43.7	43.1	47.0	1.4	- 6.9

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
MAY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1983[b]	Apr. 1983[c]	May 1982[c]	May 1983[b]	Apr. 1983[c]	May 1982[c]	May 1983[b]	Apr. 1983[c]	May 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$423.28	$416.52	$409.86	40.7	40.4	40.5	$10.40	$10.31	$10.12
Durable Goods[d]	448.40	441.05	430.20	41.1	40.8	40.7	10.91	10.81	10.57
Furniture and fixtures	302.93	302.25	300.05	38.2	38.8	39.9	7.93	7.79	7.52
Primary metal industries	482.75	492.06	497.27	39.7	40.3	40.2	12.16	12.21	12.37
Blast furnace and basic steel products	459.91	460.64	481.82	36.1	36.1	36.2	12.74	12.76	13.31
Iron and steel foundries	611.29	619.89	657.07	44.2	44.5	46.7	13.83	13.93	14.07
Nonferrous foundries	351.95	364.91	334.14	40.5	41.8	40.6	8.69	8.73	8.23
Fabricated metal products	439.74	431.59	426.18	41.8	41.3	40.9	10.52	10.45	10.42
Fabricated structural metal products	348.00	329.84	330.91	39.5	38.0	39.3	8.81	8.68	8.42
Screw machine products, bolts, etc.	406.30	395.38	344.32	41.8	41.1	38.3	9.72	9.62	8.99
Metal forgings and stampings	555.66	545.97	542.20	44.1	43.4	43.1	12.60	12.58	12.58
Machinery, except electrical	433.90	412.48	397.15	40.4	39.7	39.4	10.74	10.39	10.08
Construction and related machinery	454.20	409.20	439.09	38.2	37.2	39.1	11.89	11.00	11.23
Metalworking machinery	414.36	415.51	377.86	39.5	39.8	38.4	10.49	10.44	9.84
Special industry machinery	445.46	445.63	409.85	41.4	41.3	40.3	10.76	10.79	10.17
General industrial machinery	364.00	353.57	405.41	38.6	38.1	40.1	9.43	9.28	10.11
Electric and electronic equipment	360.79	357.34	340.17	38.3	38.3	39.1	9.42	9.33	8.70
Electrical industrial apparatus	340.74	338.88	332.22	35.2	34.9	35.8	9.68	9.71	9.28
Transportation equipment	585.50	570.82	567.16	45.6	44.7	45.3	12.84	12.77	12.52
Motor vehicles and equipment	628.68	605.69	609.70	46.5	45.1	46.4	13.52	13.43	13.14
Instruments and related products	345.47	344.51	310.87	40.5	40.2	39.5	8.53	8.57	7.87
Nondurable Goods[e]	355.90	353.42	350.40	39.5	39.4	40.0	9.01	8.97	8.76
Food and kindred products	377.48	370.47	372.24	40.2	40.4	42.3	9.39	9.17	8.80
Bakery products	375.48	378.50	395.54	39.4	39.8	42.9	9.53	9.51	9.22
Beverages	354.89	328.85	306.88	41.9	40.3	39.7	8.47	8.16	7.73
Apparel and other textile products	255.51	255.44	245.06	37.3	37.4	37.3	6.85	6.83	6.57
Paper and allied products	383.35	382.75	352.41	41.0	41.2	40.6	9.35	9.29	8.68
Printing and publishing	355.49	359.56	374.45	35.8	36.1	37.9	9.93	9.96	9.88
Chemicals and allied products	435.01	434.93	420.43	41.0	40.8	41.3	10.61	10.66	10.18
Industrial inorganic chemicals	459.20	460.63	419.45	41.0	40.8	40.1	11.20	11.29	10.46
Rubber and misc. plastics products	331.63	327.60	308.86	42.3	42.0	40.8	7.84	7.80	7.57
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	668.18	620.31	605.46	37.9	37.1	37.7	17.63	16.72	16.06
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	467.28	464.51	440.30	39.6	39.6	40.1	11.80	11.73	10.98
WHOLESALE TRADE	336.49	331.96	326.24	38.9	38.6	38.7	8.65	8.60	8.43
RETAIL TRADE[f]	169.33	167.79	161.58	28.7	28.2	28.1	5.90	5.95	5.75
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	240.27	240.92	226.32	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
MAY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	May 1983[b]	April 1983[c]	May 1982[c]	April 1983	May 1982
TOTAL	501.5	497.9	498.3	.7	.7
MANUFACTURING	86.9	86.6	86.2	.3	.8
Durable Goods[e]	55.1	54.8	54.2	.6	1.6
Stone, clay, and glass products	9.1	9.0	8.7	.9	3.6
Fabricated metal products	9.6	9.5	9.4	1.3	2.0
Machinery, except electrical	10.0	10.1	10.7	-.8	-5.8
Electric and electronic equipment	10.0	10.1	10.8	-.3	-6.9
Transportation equipment	7.9	7.7	6.6	2.0	20.3
Nondurable Goods[f]	31.8	31.8	32.0	-.1	-.6
Food and kindred products	10.1	10.1	10.1	-.5	.1
Printing and publishing	8.1	8.1	8.2	-.4	-2.0
Chemicals and allied products	6.1	6.1	6.1	.4	.8
Rubber and misc. plastics products	2.6	2.7	2.8	-1.4	-4.9
NONMANUFACTURING[g]	414.7	411.4	412.1	.8	.6
CONSTRUCTION	14.0	13.1	15.2	7.0	-7.6
TRANSPORTATION AND PUBLIC UTILITIES	22.0	21.9	23.5	.6	-6.3
Communication, electric, gas services	10.7	10.6	11.4	.5	-6.7
WHOLESALE TRADE	27.1	27.1	27.0	-.1	.3
RETAIL TRADE	92.8	91.5	93.0	1.3	-.3
FINANCE, INSURANCE, AND REAL ESTATE	42.1	42.0	40.7	.3	3.6
Banking	8.4	8.4	8.2	.6	2.7
Insurance carriers	17.6	17.6	17.5	-.2	.4
SERVICES	113.3	112.4	109.4	.8	3.6
GOVERNMENT	102.5	102.5	102.7	.0	-.1
Federal government	11.1	11.1	11.5	-.1	-3.8
State government	49.2	49.7	48.6	-1.0	1.2
State government, except education	28.5	28.6	28.9	-.2	-1.3
State government education[i]	20.6	21.1	19.7	-2.0	4.9
Local government	42.3	41.7	42.5	1.3	-.7
Local government, except education	17.5	17.3	17.3	.9	.9
Local government education	24.8	24.4	25.2	1.6	-1.8

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
MAY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1983[b]	April 1983[c]	May 1982[c]	May 1983[b]	Apr. 1983[c]	May 1982[c]	May 1983[b]	Apr. 1983[c]	May 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$399.37	$396.77	$368.02	40.3	40.2	39.7	$ 9.91	$ 9.87	$ 9.27
Durable Goods[d]	419.76	415.67	376.44	40.4	40.2	39.5	10.39	10.34	9.53
Stone, clay, and glass products	388.97	371.45	344.16	40.1	39.1	38.8	9.70	9.50	8.87
Fabricated metal products	515.30	514.50	424.60	42.1	42.0	38.6	12.24	12.25	11.00
Machinery, except electrical	374.62	372.24	377.87	39.6	39.6	41.8	9.46	9.40	9.04
Electric and electronic equipment	392.20	388.90	373.33	40.6	40.3	40.1	9.66	9.65	9.31
Transportation equipment	529.43	533.05	444.51	43.9	44.2	40.3	12.06	12.06	11.03
Nondurable Goods[e]	361.40	361.89	352.08	40.2	40.3	40.1	8.99	8.98	8.78
Food and kindred products	358.18	346.12	352.77	41.6	40.2	41.6	8.61	8.61	8.48
Printing and publishing	426.38	425.22	400.52	37.8	38.0	38.0	11.28	11.19	10.54
Chemicals and allied products	410.23	403.74	402.90	40.9	40.7	42.1	10.03	9.92	9.57
Rubber and misc. plastics products	300.35	324.11	307.23	41.2	43.1	39.9	7.29	7.52	7.70
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	494.80	477.12	506.68	37.4	35.5	39.4	13.23	13.44	12.86
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	463.72	457.41	422.14	39.6	39.5	39.6	11.71	11.58	10.66
WHOLESALE TRADE	321.17	316.76	294.14	39.7	39.3	38.5	8.09	8.06	7.64
RETAIL TRADE[f]	164.54	161.77	148.40	29.7	29.2	28.0	5.54	5.54	5.30
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	231.40	229.57	219.71	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
MAY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	May 1983[b]	April 1983[c]	May 1982[c]	April 1983	May 1982
TOTAL	335.7	334.0	337.6	.5	- .6
MANUFACTURING	86.5	85.8	88.4	.8	- 2.1
Durable Goods[e]	60.3	59.7	61.8	.9	- 2.4
Stone, clay, and glass products	2.0	2.0	1.9	1.5	6.6
Fabricated metal products	6.6	6.5	6.7	.9	- 2.2
Machinery, except electrical	28.5	28.4	29.5	.5	- 3.2
Metalworking machinery	6.0	6.0	6.6	- .4	- 9.2
Electric and electronic equipment	4.5	4.5	5.0	- .2	- 10.6
Electrical industrial apparatus	2.6	2.6	3.1	- .7	- 14.8
Transportation equipment	12.9	12.7	13.1	1.9	- 1.2
Nondurable Goods[f]	26.2	26.1	26.6	.6	- 1.4
Food and kindred products	2.9	2.9	2.8	.0	2.8
Paper and allied products	5.2	5.1	5.5	1.3	- 5.6
Printing and publishing	7.4	7.5	7.7	- .6	- 3.0
Rubber and misc. plastics products	7.4	7.3	7.4	1.9	.8
NONMANUFACTURING[g]	249.2	248.1	249.3	.4	.0
CONSTRUCTION	9.0	8.3	9.6	8.4	- 5.7
TRANSPORTATION AND PUBLIC UTILITIES	12.2	12.0	13.1	1.3	- 6.5
Communication, electric, gas services	5.8	5.8	6.7	.6	- 13.0
WHOLESALE TRADE	16.4	16.4	16.6	.3	- 1.0
RETAIL TRADE	54.8	54.2	55.8	1.2	- 1.8
FINANCE, INSURANCE, AND REAL ESTATE	13.6	13.5	13.4	.3	1.3
SERVICES	74.9	75.9	72.9	- 1.2	2.8
GOVERNMENT	67.9	67.6	67.6	.5	.4
Federal government	25.8	25.8	25.7	.1	.4
State government (includes education)	5.9	6.0	5.8	- 1.7	2.4
Local government	36.2	35.8	36.1	1.1	.1
Local government, except education	13.1	12.8	12.7	2.2	2.9
Local government education	23.1	23.0	23.4	.5	- 1.3

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
MAY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1983[b]	April 1983[c]	May 1982[c]	May 1983[b]	Apr. 1983[c]	May 1982[c]	May 1983[b]	Apr. 1983[c]	May 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$430.09	$425.39	$402.40	41.0	41.1	40.0	$10.49	$10.35	$10.06
Durable Goods[d]	428.48	424.36	401.00	41.2	41.2	40.1	10.40	10.30	10.00
Stone, clay, and glass products	374.03	355.42	363.08	38.8	38.3	41.4	9.64	9.28	8.77
Fabricated metal products	334.97	339.80	327.20	40.9	40.5	40.0	8.19	8.39	8.18
Machinery, except electrical	453.78	443.27	419.42	41.9	41.7	40.8	10.83	10.63	10.28
Metalworking machinery	439.30	463.32	393.02	42.2	44.0	39.9	10.41	10.53	9.85
Electric and electronic equipment	306.94	312.05	296.86	39.2	39.6	39.9	7.83	7.88	7.44
Electrical industrial apparatus	325.36	332.69	314.79	39.2	39.7	39.3	8.30	8.38	8.01
Transportation equipment	514.86	520.74	497.84	40.7	41.1	39.7	12.65	12.67	12.54
Nondurable Goods[e]	435.90	427.99	406.76	40.7	40.8	39.8	10.71	10.49	10.22
Food and kindred products	386.46	385.70	380.85	39.8	39.6	38.2	9.71	9.74	9.97
Paper and allied products	354.64	363.58	334.15	40.3	41.6	40.9	8.80	8.74	8.17
Printing and publishing	371.00	368.02	384.56	35.3	35.8	37.3	10.51	10.28	10.31
Rubber and misc. plastics products	582.48	558.49	524.06	44.6	43.7	41.2	13.06	12.78	12.72
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	577.73	487.52	524.77	40.8	35.2	38.7	14.16	13.85	13.56
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	456.51	454.46	412.63	39.8	39.9	39.6	11.47	11.39	10.42
WHOLESALE TRADE	334.14	326.42	289.92	40.6	40.2	40.1	8.23	8.12	7.23
RETAIL TRADE[f]	156.58	153.12	148.19	29.6	29.0	29.0	5.29	5.28	5.11
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
MAY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	May 1983[b]	April 1983[c]	May 1982[c]	April 1983	May 1982
TOTAL	284.4	279.8	286.0	1.6	- .6
MANUFACTURING	68.4	66.2	69.9	3.3	- 2.2
Durable Goods[e]	53.0	51.1	54.4	3.8	- 2.6
Stone, clay, and glass products	11.7	11.6	12.4	.9	- 5.4
Primary metal industries	3.7	3.7	3.9	.7	- 4.1
Fabricated metal products	7.8	7.6	7.6	3.7	2.5
Metal forgings and stampings	3.7	3.5	3.5	7.0	8.0
Machinery, except electrical	5.7	5.3	6.5	8.0	- 12.5
General industrial machinery	1.6	1.1[h]	1.9	37.1	- 17.6
Transportation equipment	16.8	15.8	16.3	6.4	3.1
Motor vehicles and equipment	15.6	14.6	15.1	7.0	3.5
Nondurable Goods[f]	15.3	15.1	15.5	1.4	- .9
Food and kindred products	4.1	4.1	4.0	.8	2.2
Rubber and misc. plastics products	3.4	3.3	3.2	2.9	4.8
NONMANUFACTURING[g]	216.0	213.6	216.1	1.1	.0
CONSTRUCTION	10.2	9.6	11.6	6.5	- 12.2
TRANSPORTATION AND PUBLIC UTILITIES	17.3	17.2	18.1	.9	- 4.3
Communication, electric, gas services	7.5	7.5	7.7	.1	- 2.3
WHOLESALE TRADE	14.3	14.3	14.6	.0	- 1.7
RETAIL TRADE	49.7	49.1	50.7	1.4	- 1.9
FINANCE, INSURANCE, AND REAL ESTATE	11.0	10.9	10.7	.8	3.0
SERVICES	65.6	65.0	63.4	1.0	3.5
GOVERNMENT	47.2	47.0	46.5	.4	1.5
State government (includes education)	14.9	15.1	14.7	- 1.0	2.0
Local government	29.5	29.1	29.1	1.2	1.5
Local government, except education	11.1	10.9	10.8	1.4	2.0
Local government education	18.5	18.3	18.2	1.1	1.2

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
MAY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1983[b]	April 1983[c]	May 1982[c]	May 1983[b]	Apr. 1983[c]	May 1982[c]	May 1983[b]	Apr. 1983[c]	May 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$477.85	$473.45	$447.31	42.4	42.5	41.0	$11.27	$11.14	$10.91
Durable Goods[d]	499.36	494.50	464.84	42.9	43.0	41.1	11.64	11.50	11.31
Stone, clay, and glass products	486.17	486.77	466.62	43.1	43.5	41.7	11.28	11.19	11.19
Primary metal industries	424.74	433.58	418.89	41.6	42.3	42.7	10.21	10.25	9.81
Fabricated metal products	467.08	485.29	439.02	42.5	44.4	40.5	10.99	10.93	10.84
Metal forgings and stampings	524.17	538.56	519.40	43.0	44.0	42.4	12.19	12.24	12.25
Machinery, except electrical	403.91	400.75	417.35	38.8	39.6	39.9	10.41	10.12	10.46
General industrial machinery	472.01	420.22	451.63	38.5	36.7	38.9	12.26	11.45	11.61
Transportation equipment	586.98	564.62	538.26	44.3	43.2	41.5	13.25	13.07	12.97
Motor vehicles and equipment	587.86	565.49	539.92	44.3	43.2	41.5	13.27	13.09	13.01
Nondurable Goods[e]	402.29	399.43	383.54	40.8	40.8	40.5	9.86	9.79	9.47
Food and kindred products	415.49	412.10	404.34	41.8	41.5	41.9	9.94	9.93	9.65
Rubber and misc. plastics products	343.20	328.03	323.08	41.2	40.2	39.4	8.33	8.16	8.20
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	665.37	623.25	629.61	39.7	37.5	39.4	16.76	16.62	15.98
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	477.99	474.29	442.18	41.1	41.1	39.8	11.63	11.54	11.11
WHOLESALE TRADE	343.88	330.11	334.70	38.9	37.9	39.1	8.84	8.71	8.56
RETAIL TRADE[f]	162.35	158.46	157.18	29.2	28.5	29.0	5.56	5.56	5.42
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
MAY 1983

Industry	Employment (in thousands)			Percent Change Fr	
	May 1983[b]	April 1983[c]	May 1982[c]	April 1983	M 19
TOTAL	183.2	181.0	185.9	1.2	- 1.
MANUFACTURING	54.6	54.3	55.4	.5	- 1.4
Durable Goods[e]	49.6	49.4	50.6	.5	- 1.9
Stone, clay, and glass products	1.7	1.9	1.5	- 11.7	11.5
Primary metal industries	22.9	22.8	24.6	.6	- 6.9
Blast furnace and basic steel products	9.6	9.6	12.1	- .1	- 20.3
Fabricated metal products	8.4	8.2	8.0	2.4	4.5
Fabricated structural metal products	2.3	2.2	2.3	3.0	- .5
Machinery, except electrical	3.8	3.7	5.1	1.0	- 25.5
Metalworking machinery	1.8	1.8	2.5	.4	- 27.2
Electric and electronic equipment	2.6	2.6	2.9	- .4	- 8.9
Transportation equipment	8.9	8.7	6.8	2.2	31.3
Nondurable Goods[f]	5.0	4.9	4.8	.8	3.6
NONMANUFACTURING[g]	128.6	126.7	130.5	1.5	- 1.5
CONSTRUCTION	4.8	4.5	5.4	7.6	- 11.2
TRANSPORTATION AND PUBLIC UTILITIES	7.8	7.6	8.4	1.8	- 7.5
Communication, electric, gas services	3.2	3.2	3.4	.8	- 5.1
WHOLESALE TRADE	7.8	7.8	8.0	.3	- 2.3
RETAIL TRADE	34.9	34.4	36.2	1.6	- 3.5
FINANCE, INSURANCE, AND REAL ESTATE	7.2	7.2	7.1	.4	2.1
SERVICES	40.8	40.4	39.4	1.0	3.6
GOVERNMENT	24.2	23.8	25.1	1.7	- 3.4
Local government (includes education)	18.5	18.3	19.3	1.0	- 4.2

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
MAY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	May 1983[b]	April 1983[c]	May 1982[c]	May 1983[b]	Apr. 1983[c]	May 1982[c]	May 1983[b]	Apr. 1983[c]	May 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$530.80	$504.69	$459.81	42.6	41.3	39.3	$12.46	$12.22	$11.70
Durable Goods[d]	545.26	518.34	471.99	42.9	41.6	39.3	12.71	12.46	12.01
Stone, clay, and glass products	351.28	343.55	315.09	38.1	38.3	37.6	9.22	8.97	8.38
Primary metal industries	504.39	514.22	480.42	39.1	39.8	37.3	12.90	12.92	12.88
Blast furnace and basic steel products	480.26	482.67	490.54	37.0	37.1	36.8	12.98	13.01	13.33
Fabricated metal products	563.71	584.33	452.02	42.9	44.1	38.7	13.14	13.25	11.68
Fabricated structural metal products	424.20	410.82	342.81	40.4	39.2	36.2	10.50	10.48	9.47
Machinery, except electrical	450.03	453.16	431.68	38.3	38.6	37.9	11.75	11.74	11.39
Metalworking machinery	461.31	458.99	442.65	39.7	39.5	39.0	11.62	11.62	11.35
Electric and electronic equipment	398.67	407.83	364.18	41.1	41.7	40.6	9.70	9.78	8.97
Transportation equipment	755.70	586.33	599.98	55.0	45.7	46.8	13.74	12.83	12.82
Nondurable Goods[e]	352.80	347.09	333.83	38.6	38.1	39.6	9.14	9.11	8.43
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	554.21	521.41	495.94	36.8	34.9	35.5	15.06	14.94	13.97
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	444.89	443.69	403.52	39.9	39.9	39.6	11.15	11.12	10.19
WHOLESALE TRADE	303.38	300.26	330.91	35.4	35.2	39.3	8.57	8.53	8.42
RETAIL TRADE[f]	160.86	158.69	156.51	29.3	28.8	29.2	5.49	5.51	5.36
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

Ohio Labor Market Information
BUREAU OF EMPLOYMENT SERVICES
JOB SERVICE OF OHIO
RICHARD F. CELESTE, *Governor*
DR. ROBERTA STEINBACHER, *Administrator*

S6270-1 a
7/22/83

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
JUNE 1983

Unemployment in Ohio, at 672,000 in June, represented 12.8 percent of the civilian labor force--little changed from May. Total employment rose 2.1 percent, to 4,595,000 in June. Seasonal hiring in nonmanufacturing and a moderate improvement in factory employment lifted the number of nonagricultural wage and salary workers to 4,129,000.

Ohio's factory employment advanced for the sixth consecutive month in June--rising .4 percent, to 1,079,000. Auto makers reported additional recalls, while widespread, small-to-moderate gains boosted employment in primary and fabricated metals. Food products rose seasonally, with increases concentrated in canning and beverage bottling. On the other hand, a labor-management dispute depressed employment in air conditioning equipment, and fewer orders prompted layoffs by producers of engines and farm machinery.

Employment in Ohio's nonmanufacturing industries rose .3 percent from May, to 3,050,000 in June. Greatest gains stemmed from seasonal expansion in the service industries--particularly amusement services--and in construction. Most of the advance in retailing occurred among eating and drinking places. Coal mining registered a notable increase as workers were recalled. Hiring of summer workers by nonschool units of state and local governments was more than offset, however, by furloughs of nonteaching personnel in schools and universities.

Gross average weekly earnings of production workers in Ohio's factories gained nearly $8 from May, to a record $439.71 in June. Considerable overtime boosted the average workweek by half an hour, to 41.6 hours. This is the highest average since 1979--except for the 42.1 hours recorded for December 1980. Stepped-up overtime was reported by most industries, with significant gains occurring in communication equipment, hardware, metal stampings, and special industry machinery. The combined effects of additional overtime and wage-rate increases accounted for higher earnings in iron and steel foundries and in the production of electrical industrial apparatus.

Between June 1982 and June 1983, total employment in Ohio slipped .5 percent, while the unemployment rate rose from 12.3 to 12.8 percent of the civilian labor force. The number of nonfarm wage and salary workers declined 1.5 percent. Manufacturing employment dropped by more than 40,000, with production of nonelectrical machinery accounting for over half of the loss and much of the remainder occurring in primary metals. In nonmanufacturing, long-term growth among the service industries was more than offset by shrinkage in other divisions--notably transportation-utilities and construction. Gross weekly earnings of factory production workers rose nearly $26 over the year, as their workweek was lengthened by .9 hours.

For additional Labor Market Information, write
DIRECTOR, *Division of Research and Statistics*, BUREAU OF EMPLOYMENT SERVICES, COLUMBUS 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Akron's nonagricultural wage and salary employment decreased 4,000 from May, to 247,500 in June. Furloughs of school employees for the summer months lowered nonmanufacturing, despite gains in other component industries. Manufacturing slipped 200, to 67,000 in June, mainly due to layoffs in fabricated metals. The workweek for the average factory production worker, at 42.4 hours, was down .2 hours from May. Average hourly earnings, at $10.33, were down slightly from the previous month.

Canton.--Canton's nonfarm payroll employment, at 148,700 in June, was 600 above May. The gain resulted from widespread improvement in manufacturing--up 600, to 46,200 in June. Nonmanufacturing was little changed from May, with decreases among local schools offset by seasonal growth in other industries. Average hourly earnings of factory production workers increased 8¢, to $10.61 an hour. Their average workweek, at 39.1 hours, was .2 hours longer.

Cincinnati.--Workers on nonfarm payrolls in Cincinnati totaled 577,900 in June, up 3,500 from May. Gains in durable-goods production raised manufacturing by 1,200, to 144,800 for the month. Seasonal increases in services and construction lifted nonmanufacturing in June. Hourly earnings of factory production workers rose 4¢, to $10.14 an hour. The average workweek, at 41.4, was .6 hours longer than in May.

Cleveland.--Nonagricultural payroll employment in the Cleveland area advanced 6,600 from May, to 837,900 in June. Expansion in most component industries raised nonmanufacturing employment, despite a seasonal decrease in education. Manufacturing rose 500, to 211,900 for the month, due to widespread gains in nondurable goods. Production workers in factories grossed $10.47 per hour for a workweek of 41.3 hours in June, up 5¢ and .7 hours from May averages.

Columbus.--June nonfarm wage and salary employment in Columbus, at 504,400 was 3,000 above May. The increase occurred in nonmanufacturing, mainly as a result of seasonal advances in services and construction. Manufacturing rose 300, to 87,100 for the month, as gains in durable goods were moderated by losses in nondurables. Production workers in factories grossed $9.99 per hour--up 9¢-- for a workweek of 40.8 hours, up half an hour from May.

Dayton.--Dayton's nonagricultural wage and salary employment rose 1,100 from May, to a total of 336,600 in June. Over two-thirds of the gain occurred in nonmanufacturing. Seasonal growth in services and construction was partially offset by shrinkage in government, as schools furloughed nonteaching personnel. Manufacturing, at 86,500 in June, increased 200 for the month. Earnings of factory production workers rose 9¢, to $10.56 an hour. Their workweek averaged 41.9 hours, up .8 hours from May.

Toledo.--Nonfarm establishments in Toledo employed 285,500 wage and salary workers in June, up 1,100 from May. Hiring in nondurable-goods industries boosted manufacturing by 600, to 68,900 for the month. Layoffs of nonteaching personnel in education were offset by seasonal growth in other nonmanufacturing industries, notably retail trade and construction. The workweek of the average factory production worker, at 42.5 hours, was down .2 hours from the previous month, and gross earnings, at $11.22 per hour, were down 7¢ for the month.

Youngstown-Warren.--Nonfarm establishments in the Youngstown-Warren area employed 183,700 wage and salary workers in June, up 200 from May. Manufacturing rose slightly, to 54,900 for the month. Nonmanufacturing was little changed for the month, as seasonal gains in many component industries countered losses in education. Hourly earnings of the average production worker, at $12.34, were down 11¢ from May. The average workweek, at 41.6 hours, was .8 hours shorter.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 7-15-83

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1972	248.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	600.6	895.6	509.8	355.7	293.1	203.1
1981	259.6	156.6	592.2	880.7	506.6	352.5	290.9	198.7
1987	250.8	149.7	575.5	847.5	497.9	337.0	282.2	182.2
1982								
June	249.5	152.2	584.0	859.3	501.1	338.7	285.7	186.4
July	248.4	151.2	573.5	850.7	493.6	333.9	277.7	182.5
August ..	248.3	150.5	574.2	846.7	494.4	332.2	278.9	178.6
September	253.0	150.3	580.3	846.0	497.3	338.9	285.2	182.4
October .	252.5	148.3	579.0	842.3	503.5	338.1	285.5	180.9
November.	251.7	147.9	576.9	840.5	503.8	335.7	284.6	177.3
December.	250.4	147.3	574.8	837.3	504.0	336.4	282.8	177.8
1983								
January .	243.4	144.5	561.1	815.6	491.5	330.3	277.4	175.6
February.	245.9	144.6	558.8	816.5	492.0	330.6	275.8	176.2
March ...	247.0	145.0	561.7	820.8	494.2	332.3	274.4	179.5
April ...	248.9	146.6	570.4	825.8	497.9	334.0	279.8	181.0
May	251.5	148.1	574.4	831.3	501.4	335.6	284.4	183.5
June	247.5	148.7	577.9	837.9	504.4	336.6	285.5	183.7
	MANUFACTURING EMPLOYMENT (in thousands)							
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.6	79.9
1980	79.1	55.7	162.4	254.9	96.8	99.4	75.4	70.8
1981	75.7	54.8	157.3	246.8	93.1	97.8	74.6	67.3
1982	68.8	48.2	147.2	224.1	86.7	87.9	68.8	53.4
1982								
June	69.5	49.5	148.6	227.4	86.6	88.7	70.1	55.3
July	68.1	48.9	146.3	223.5	86.4	88.5	68.1	54.4
August ..	67.9	48.5	147.0	221.1	86.2	86.4	69.8	50.6
September	68.3	47.9	147.9	222.3	86.5	87.6	70.1	52.8
October .	67.4	45.8	147.0	216.1	86.3	85.8	67.4	51.4
November.	66.5	45.2	147.0	213.7	85.7	82.9	66.8	47.6
December.	65.3	44.7	145.0	210.3	84.6	83.4	65.4	48.6
1983								
January .	66.2	45.0	143.8	210.3	84.7	84.0	66.4	50.0
February.	67.1	45.3	142.6	210.5	85.8	84.7	65.5	50.9
March ...	67.0	45.2	142.7	210.7	85.9	85.1	62.7	53.7
April ...	67.3	45.3	143.8	210.8	86.6	85.8	66.2	54.3
May	67.2	45.7	143.6	211.4	86.9	86.2	68.3	54.8
June	67.0	46.2	144.8	211.9	87.1	86.5	68.9	54.9

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1972	53.5	42.2	110.7	188.7	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.7	39.6	103.5	161.8	61.3	64.4	49.2	50.8
1982	37.2	33.7	96.1	142.5	55.6	55.8	45.1	38.5
1982								
June	37.7	35.1	97.6	145.2	55.7	56.7	46.2	40.3
July	36.4	34.4	95.4	142.0	55.5	56.3	44.3	39.4
August ..	36.2	34.0	95.9	139.9	55.3	54.3	46.0	35.8
September	36.8	33.6	97.0	142.0	55.4	55.6	46.6	37.8
October .	36.2	31.8	96.4	136.6	55.0	54.1	44.2	36.6
November.	35.3	31.4	96.5	135.0	54.3	51.4	43.8	33.5
December.	34.5	30.8	94.5	132.1	53.4	52.1	42.5	34.3
1981								
January .	35.4	31.2	93.3	132.0	53.6	52.6	43.5	35.6
February.	36.2	31.5	92.2	132.4	54.6	53.3	42.7	36.4
March ...	36.2	31.6	92.4	132.7	54.7	53.7	40.0	39.0
April ...	36.7	31.6	93.3	133.2	55.4	54.4	43.5	39.6
May	36.7	32.0	93.1	134.2	55.7	54.8	45.5	40.1
June	36.5	32.5	94.2	134.8	56.0	55.1	46.0	40.3
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.8
1982	41.0	38.6	40.5	39.9	39.8	40.0	41.1	39.3
1982								
June	41.5	39.2	41.0	41.0	40.1	41.2	41.8	40.1
July	41.0	36.7	40.4	40.0	39.4	41.1	41.8	39.4
August ..	40.2	38.3	40.7	40.1	39.6	40.3	41.4	37.9
September	41.0	39.1	40.5	39.6	39.8	39.8	41.8	39.5
October .	40.5	38.3	40.2	39.2	39.7	39.3	41.3	39.3
November.	41.2	38.3	41.4	39.2	40.3	39.2	41.3	39.6
December.	41.6	39.1	41.5	39.9	40.5	40.3	41.1	40.3
1981								
January .	42.5	38.7	40.4	39.8	39.9	40.0	41.5	40.1
February.	42.5	38.6	40.4	39.8	40.0	40.2	41.6	40.6
March ...	43.3	39.1	40.8	40.1	40.4	40.8	42.0	41.1
April ...	42.5	39.5	40.8	40.4	40.2	41.1	42.5	41.3
May	42.6	38.9	40.8	40.6	40.3	41.1	42.7	42.4
June	42.4	39.1	41.4	41.3	40.8	41.9	42.5	41.6

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1972	$ 4.68	$ 4.48	$ 4.15	$ 4.50	$ 4.06	$ 4.74	$ 4.67	$ 4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1982	9.83	10.22	9.57	10.10	.31	10.02	10.89	11.72
1982								
June	9.81	10.25	9.64	10.25	9.31	10.33	10.98	11.71
July	9.68	10.05	9.66	10.22	9.37	10.28	11.06	11.85
August ..	9.79	10.35	9.62	10.18	9.40	10.05	10.91	11.64
September	9.91	10.39	9.68	10.26	9.47	10.08	10.93	11.75
October .	9.92	10.46	9.65	10.15	9.49	10.01	11.01	11.58
November.	9.95	10.44	9.78	10.19	9.50	9.89	11.01	11.65
December.	10.06	10.52	9.84	10.26	9.57	10.05	11.00	12.01
1983								
January .	10.21	10.56	9.85	10.29	9.62	10.16	11.10	12.00
February.	10.21	10.62	9.93	10.28	9.70	10.23	11.12	12.22
March ...	10.34	10.41	10.01	10.25	9.76	10.31	10.99	12.21
April ...	10.24	10.39	10.06	10.31	9.87	10.35	11.14	12.22
May	10.35	10.53	10.10	10.42	9.90	10.47	11.29	12.45
June	10.33	10.61	10.14	10.47	9.99	10.56	11.22	12.34
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1972	$197.03	$181.89	$173.89	$190.35	$164.02	$201.45	$196.14	$201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	2[illegible].71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	395.38	346.80	397.85	406.14	474.10
1982	403.03	394.49	387.59	402.99	370.54	400.80	447.58	460.60
1982								
June	407.12	401.80	395.24	420.25	373.33	425.60	458.96	469.57
July	396.88	368.84	390.26	408.80	369.18	422.51	462.31	466.89
August ..	393.56	396.41	391.53	408.22	372.24	405.02	451.67	441.16
September	406.31	406.25	392.04	406.30	376.91	401.18	456.87	464.13
October .	401.76	400.62	387.93	397.88	376.75	393.39	454.71	455.09
November.	409.94	399.85	404.89	399.45	382.85	387.69	454.71	461.34
December.	418.50	411.33	408.36	409.37	387.59	405.02	452.10	484.00
1983								
January .	433.93	408.67	397.94	409.54	383.84	406.40	460.65	481.20
February.	433.93	409.93	401.17	409.14	388.00	411.25	462.59	496.13
March ...	447.72	407.03	408.41	411.03	394.30	420.65	461.58	501.83
April ...	435.20	410.41	410.45	416.52	396.77	425.39	473.45	504.69
May	440.91	409.62	412.08	423.05	398.97	430.32	482.08	527.88
June	437.99	414.85	419.80	432.41	407.59	442.46	476.85	513.34

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]

(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
AKRON[b]					CANTON[c]				
1972	282.2	267.3	14.8	5.3	1972	165.6	155.3	10.3	6.2
1973	287.1	274.9	12.2	4.3	1973	171.2	163.1	8.1	4.7
1974	290.8	277.7	13.0	4.5	1974	175.6	167.5	8.1	4.6
1975	292.0	264.3	27.7	9.5	1975	174.7	158.0	16.7	9.6
1976	291.3	266.3	25.0	8.6	1976	174.4	158.6	15.8	9.1
1977	294.2	274.7	19.5	6.6	1977	175.9	163.1	12.9	7.3
1978	298.9	282.2	16.7	5.6	1978	179.9	170.0	9.9	5.5
1979	303.8	285.4	18.4	6.1	1979	184.3	173.7	10.6	5.7
1980	304.5	278.3	26.2	8.6	1980	187.7	170.9	16.8	8.9
1981	304.1	274.9	29.1	9.6	1981	188.4	170.1	18.2	9.7
1982	305.8	269.4	36.4	11.9	1982	192.5	165.1	27.4	14.3
1982					1982				
May	304.3	273.2	31.1	10.2	May	190.4	167.0	23.4	12.3
June	308.7	273.1	35.6	11.5	June	196.6	170.6	26.1	13.3
July	313.7	276.1	37.6	12.0	July	201.2	172.0	29.2	14.5
August	312.7	275.0	37.7	12.1	August	199.7	170.6	29.1	14.6
September ..	308.5	272.2	36.3	11.8	September .	193.0	166.4	26.6	13.8
October	309.3	271.0	38.3	12.4	October ...	195.8	163.9	31.8	16.3
November ...	304.7	264.7	39.9	13.1	November ..	192.9	160.0	32.9	17.1
December ...	304.5	262.9	41.6	13.7	December ..	191.0	159.0	32.0	16.8
1983					1983				
January	296.9	252.3	44.6	15.0	January ...	187.4	153.9	33.5	17.9
February ...	297.1	254.7	42.5	14.3	February ..	186.5	154.0	32.5	17.4
March	301.8	261.4	40.4	13.4	March	189.0	157.9	31.1	16.5
April	306.7	267.5	39.2	12.8	April	191.6	161.7	29.9	15.6
May[p]	311.9	271.8	40.1	12.9	May[p]	194.5	164.1	30.4	15.6
CINCINNATI[d]					CLEVELAND[e]				
1972	561.0	529.0	32.0	5.7	1972	873.2	825.2	48.0	5.5
1973	572.0	543.0	29.0	5.1	1973	883.9	849.0	34.9	3.9
1974	595.3	569.8	25.5	4.3	1974	899.1	861.4	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	896.9	826.3	70.6	7.9
1976	604.8	566.6	38.2	6.3	1976	897.7	834.4	63.3	7.0
1977	623.4	588.7	34.7	5.6	1977	908.5	854.4	54.0	5.9
1978	648.3	615.8	32.5	5.0	1978	921.7	878.5	43.2	4.7
1979	663.4	628.1	35.3	5.3	1979	935.8	889.1	46.7	5.0
1980	676.2	628.6	47.5	7.0	1980	937.1	869.1	68.0	7.3
1981	678.5	619.3	59.1	8.7	1981	933.9	854.0	79.8	8.5
1982	682.0	610.4	71.6	10.5	1982	933.7	833.8	100.0	10.7
1982					1982				
May	681.8	616.6	65.1	9.6	May	929.6	841.7	87.9	9.5
June	700.2	627.0	73.2	10.5	June	963.3	858.4	104.9	10.9
July	698.6	625.4	73.3	10.5	July	967.4	862.9	104.5	10.8
August	696.2	624.3	71.8	10.3	August	963.1	855.8	107.3	11.1
September ..	684.5	617.2	67.3	9.8	September .	934.4	833.4	100.9	10.8
October	690.0	614.8	75.2	10.9	October ...	939.9	829.2	110.7	11.8
November ...	677.5	602.5	75.0	11.1	November ..	926.6	811.3	115.3	12.4
December ...	673.3	598.8	74.5	11.1	December ..	921.5	807.1	114.3	12.4
1983					1983				
January	661.5	580.1	81.3	12.3	January ...	895.2	776.5	118.7	13.3
February ...	655.9	577.2	78.7	12.0	February ..	893.4	776.7	116.7	13.1
March	667.8	590.2	77.6	11.6	March	913.3	797.9	115.5	12.6
April[p]	675.5	604.7	70.9	10.5	April	923.2	813.0	110.2	11.9
May[p]	INA	INA	INA	INA	May[p]	936.5	822.3	114.2	12.2

---

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary. INA—Information not available.

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
COLUMBUS[f]					DAYTON[g]				
1972	469.1	450.2	18.9	4.0	1972	353.5	336.2	17.3	4.9
1973	485.5	468.3	17.1	3.5	1973	358.0	343.5	14.5	4.1
1974	495.4	475.5	19.9	4.0	1974	359.5	342.5	17.0	4.7
1975	495.0	458.6	36.5	7.4	1975	357.6	327.7	29.9	8.4
1976	503.6	468.5	35.1	7.0	1976	360.5	336.3	24.2	6.7
1977	513.4	483.3	30.1	5.9	1977	368.6	348.3	20.3	5.5
1978	531.4	506.5	24.9	4.7	1978	381.1	363.7	17.3	4.6
1979	543.0	517.1	25.8	4.8	1979	392.2	367.9	24.2	6.2
1980	554.7	523.4	31.4	5.7	1980	390.2	361.0	29.2	7.5
1981	562.4	519.1	43.3	7.7	1981	390.8	357.9	32.8	8.4
1982	568.8	518.0	50.8	8.9	1982	391.1	347.0	44.2	11.3
1982					1982				
May	566.7	519.3	47.4	8.4	May	389.1	348.5	40.7	10.4
June	584.7	531.7	52.9	9.1	June	401.2	354.8	46.4	11.6
July	582.9	530.8	52.1	8.9	July	400.1	355.1	45.0	11.2
August	582.4	529.3	53.1	9.1	August	396.3	351.7	44.6	11.3
September ..	568.2	518.8	49.4	8.7	September ..	391.7	349.6	42.1	10.7
October	574.9	523.8	51.2	8.9	October	393.4	348.3	45.2	11.5
November ...	567.1	513.4	53.6	9.5	November ...	386.5	338.7	47.8	12.4
December ...	564.0	512.3	51.8	9.2	December ...	385.3	338.5	46.8	12.1
1983					1983				
January	548.2	492.8	55.4	10.1	January	375.8	327.8	47.9	12.8
February ...	547.5	493.6	53.9	9.9	February ...	374.6	328.3	46.3	12.4
March	561.1	507.3	53.8	9.6	March	381.7	337.5	44.2	11.6
April	570.5	517.7	52.8	9.3	April	386.2	343.8	42.3	11.0
May[p]	578.1	524.2	53.9	9.3	May[p]	389.0	347.5	41.6	10.7
TOLEDO[h]					YOUNGSTOWN–WARREN[i]				
1972	329.4	311.3	18.1	5.5	1972	226.9	212.1	14.8	6.5
1973	339.8	324.2	15.6	4.6	1973	232.5	221.8	10.8	4.6
1974	343.8	324.2	19.7	5.7	1974	236.7	223.7	13.0	5.5
1975	344.8	310.2	34.6	10.0	1975	236.7	209.8	26.9	11.4
1976	347.8	319.4	28.4	8.2	1976	234.2	210.5	23.7	10.1
1977	355.0	329.4	25.6	7.2	1977	234.0	215.0	19.0	8.1
1978	362.1	339.7	22.4	6.2	1978	235.2	217.5	17.7	7.5
1979	368.2	341.7	26.4	7.2	1979	237.1	219.9	17.1	7.2
1980	368.2	329.8	38.4	10.4	1980	238.9	210.5	28.4	11.9
1981	367.4	328.0	39.4	10.7	1981	234.0	205.7	28.2	12.1
1982	368.7	322.7	46.1	12.5	1982	237.7	191.5	46.2	19.4
1982					1982				
May	367.5	328.0	39.5	10.7	May	236.4	195.5	41.0	17.3
June	377.9	333.0	44.9	11.9	June	244.4	199.0	45.4	18.6
July	376.7	329.8	46.9	12.5	July	242.8	197.9	44.9	18.5
August	374.0	329.1	44.9	12.0	August	245.6	193.4	51.2	21.2
September ..	371.8	327.0	44.8	12.1	September ..	238.0	192.3	45.7	19.2
October	374.3	326.6	47.7	12.8	October	239.2	190.6	48.5	20.3
November ...	367.5	318.9	48.6	13.2	November ...	237.7	183.0	54.7	23.0
December ...	368.8	316.2	52.6	14.3	December ...	234.2	183.1	51.1	21.8
1983					1983				
January	359.5	307.3	52.2	14.5	January	226.6	178.1	48.4	21.4
February ...	360.3	306.6	53.7	14.9	February ...	223.8	178.7	45.1	20.1
March	366.0	311.0	55.0	15.0	March	227.9	186.2	41.7	18.3
April	368.7	320.7	47.9	13.0	April	229.9	190.3	39.5	17.2
May[p]	378.5	328.3	50.2	13.3	May[p]	234.0	193.5	40.5	17.3

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1972	4,510	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,087	4,660	426	8.4	7.1
1981	5,099	4,607	492	9.6	7.6
1982	5,122	4,481	640	12.5	9.7
1982					
June	5,264	4,619	645	12.3	9.8
July	5,274	4,628	646	12.2	9.8
August ..	5,249	4,590	659	12.5	9.6
September	5,136	4,505	631	12.3	9.7
October .	5,177	4,494	683	13.2	9.9
November.	5,088	4,378	710	14.0	10.4
December.	5,058	4,344	714	14.1	10.5
1983					
January .	4,942	4,204	738	14.9	11.4
February.	4,925	4,212	713	14.5	11.3
March ...	5,027	4,339	688	13.7	10.8
April ...	5,088	4,435	653	12.8	10.0
May	5,166	4,502	664	12.9	9.8
June	5.267	4,595	672	12.8	10.2

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.3	3,103.0
1981	4,317.6	1,232.6	3,085.1
1982	4,138.7	1,103.6	3,035.1
1982			
June	4,191.6	1,119.3	3,072.3
July	4,131.3	1,104.6	3,026.7
August ..	4,116.7	1,093.2	3,023.5
September	4,153.3	1,100.5	3,052.8
October .	4,139.2	1,073.5	3,065.7
November.	4,121.4	1,056.9	3,064.5
December.	4,102.5	1,043.9	3,058.6
1983			
January .	4,012.3	1,051.7	2,960.6
February.	4,015.0	1,056.2	2,958.8
March ...	4,036.2	1,059.4	2,976.8
April ...	4,076.0	1,069.4	3,006.6
May	4,114.2	1,074.8	3,039.4
June	4,128.7	1,078.7	3,049.9

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731 4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.6	726.6	203.8	830.9	689.9
1981	30.7	153.7	217.2	232.5	717.7	205.8	851.5	676.0
1982	30.7	135.5	207.6	229.3	707.3	206.4	859.7	658.6
1982								
June	31.4	142.9	211.0	230.1	714.2	208.0	871.2	663.5
July	31.1	146.1	209.9	229.7	710.8	208.9	867.5	622.8
August ..	30.1	147.7	209.3	229.4	712.5	208.4	869.2	616.8
September	31.0	147.3	208.4	229.1	715.0	207.2	874.8	640.0
October .	30.3	147.2	206.1	229.4	710.7	206.5	871.4	664.1
November.	30.3	142.2	204.6	229.0	718.4	206.8	865.8	667.3
December.	29.0	129.5	203.6	229.0	730.4	207.3	861.7	668.2
1983								
January .	28.6	112.8	195.5	226.3	687.3	205.8	847.0	657.3
February.	28.1	108.8	194.7	225.3	675.0	205.5	853.5	668.0
March ...	27.3	112.7	195.0	226.1	680.4	205.8	859.6	669.9
April ...	27.2	118.8	196.0	226.9	692.0	206.7	872.5	666.6
May	27.6	126.6	197.7	227.3	702.6	207.5	880.2	669.9
June	29.3	132.8	198.8	228.2	705.7	209.4	888.1	657.7

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures. All data exclude military personnel.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1972	1,346.8	948.8	398.0	979.2	$181.3	40.7
1973	1,426.3	1,018.2	408.1	1,046.7	210.8	44.3
1974	1,416.6	1,013.1	403.5	1,028.7	217.4	42.4
1975	1,267.5	892.4	375.1	897.8	201.5	36.2
1976	1,295.3	910.6	384.6	926.1	233.9	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.3	882.6	381.8	867.8	301.9	35.2
1981	1,232.6	860.4	372.2	847.7	330.4	34.7
1982	1,103.6	755.4	348.3	738.1	298.0	29.6
1982						
June	1,119.3	768.8	350.5	752.5	311.5	30.6
July	1,104.6	756.9	347.6	738.6	301.2	29.6
August ..	1,093.2	743.3	349.9	728.4	294.6	29.1
September	1,100.5	748.3	352.2	736.6	302.5	29.7
October .	1,073.5	728.5	345.0	712.1	288.1	28.4
November.	1,056.9	713.1	343.8	698.2	285.5	28.1
December.	1,043.9	701.7	342.2	687.1	286.7	28.0
1983						
January .	1,051.7	712.5	339.2	695.0	288.5	28.0
February.	1,056.2	715.7	340.5	700.2	293.6	28.3
March ...	1,059.4	719.1	340.3	703.7	298.6	28.7
April ...	1,069.4	728.0	341.5	713.7	306.8	29.3
May	1,074.8	733.1	341.7	719.6	310.8	29.6
June	1,078.7	735.3	343.4	723.9	318.3	30.1

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1972	$185.12	$190.19	$172.60	41.6	41.8	40.9	$4.45	$4.55	$4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1982	403.81	414.80	378.95	40.1	40.0	40.4	10.07	10.37	9.38
1982									
June	413.92	426.54	381.92	40.7	40.7	40.5	10.17	10.48	9.43
July	407.82	419.60	379.22	40.1	40.0	40.3	10.17	10.49	9.41
August ..	404.40	415.51	379.89	40.0	39.8	40.5	10.11	10.44	9.38
September	410.66	421.60	385.28	40.3	40.0	40.9	10.19	10.54	9.42
October .	404.59	416.31	378.95	39.9	39.8	40.1	10.14	10.46	9.45
November.	408.83	418.80	387.06	40.2	40.0	40.7	10.17	10.47	9.51
December.	417.18	429.14	390.46	40.7	40.6	40.8	10.25	10.57	9.57
1983									
January .	415.09	427.99	387.03	40.3	40.3	40.4	10.30	10.62	9.58
February.	419.35	433.76	386.72	40.4	40.5	40.2	10.38	10.71	9.62
March ...	424.32	437.38	393.01	40.8	40.8	40.6	10.40	10.72	9.68
April ...	429.91	444.14	397.96	41.1	41.2	40.9	10.46	10.78	9.73
May	431.96	447.69	397.80	41.1	41.3	40.8	10.51	10.84	9.75
June	439.71	454.95	402.11	41.6	41.7	41.2	10.57	10.91	9.76

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.7	67.4	92.7
1981	61.0	138.3	154.9	204.2	101.9	136.9	69.2	66.1	89.0
1982	54.1	113.3	135.0	179.3	93.2	122.0	66.9	63.2	80.7
1982									
June	55.3	115.9	137.0	180.6	94.9	125.8	67.1	63.5	82.2
July	55.5	113.8	133.9	176.6	94.1	124.5	67.0	62.6	81.0
August ..	54.7	112.6	131.9	175.3	92.6	117.1	69.7	62.3	80.6
September	55.0	111.4	133.0	174.1	92.0	123.3	70.9	62.3	80.7
October .	54.6	104.2	129.5	168.9	90.8	121.6	67.7	62.0	78.0
November.	53.1	100.8	128.0	166.1	90.1	117.5	66.6	62.2	78.3
December.	50.3	98.1	127.0	163.4	85.6	120.5	66.3	61.8	77.6
1983									
January .	50.2	100.2	128.3	163.2	89.5	125.1	63.9	61.6	78.0
February.	50.4	102.6	130.1	161.7	88.7	126.1	64.3	61.7	79.3
March ...	50.8	105.4	129.5	160.6	87.9	127.9	64.0	61.8	79.3
April ...	52.4	105.9	130.5	160.3	90.2	130.9	63.7	61.7	80.3
May	52.9	105.5	131.6	161.4	90.7	132.9	63.5	61.7	80.8
June	53.2	106.6	132.7	159.4	90.3	134.0	64.3	61.6	81.2
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1972	$175.14	$204.61	$187.87	$193.46	$164.42	$219.99	$173.43	$187.21	$180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	358.45	381.11
1982									
June	379.86	495.67	408.18	401.79	366.16	541.37	390.45	354.52	395.37
July	380.14	488.71	405.73	390.04	358.75	528.24	385.02	351.50	385.70
August ..	380.83	496.98	399.35	391.24	365.98	502.18	389.06	351.22	385.15
September	393.65	492.35	401.32	394.18	364.94	528.58	400.26	357.27	380.57
October .	386.78	477.98	401.37	399.78	374.46	502.94	387.28	355.15	368.54
November.	387.69	478.37	407.42	393.39	374.14	518.13	393.71	364.65	380.70
December.	391.35	488.67	420.65	405.42	383.60	526.87	402.66	374.74	388.69
1983									
January .	385.01	486.16	427.00	401.37	380.09	517.33	391.68	370.02	392.22
February.	381.35	500.47	433.78	405.38	379.20	529.44	384.87	362.36	397.57
March ...	387.32	487.71	441.56	407.82	380.25	543.26	389.50	371.14	406.27
April ...	388.95	497.68	451.26	411.25	384.40	549.25	396.47	369.64	411.83
May	397.85	493.96	452.28	417.91	384.96	560.33	401.58	367.52	413.10
June	400.34	505.49	463.01	427.18	390.51	568.58	409.36	370.14	414.19

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
JUNE 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	June 1983[b]	May 1983[c]	June 1982[c]	May 1983	June 1982
TOTAL	4128.7	4114.2	4191.6	.4	- 1.5
MANUFACTURING	1078.7	1074.8	1119.3	.4	- 3.6
Durable Goods[e]	735.3	733.1	768.8	.3	- 4.4
Lumber and wood products	12.6	12.5	12.6	1.4	.6
Furniture and fixtures	13.5	13.4	13.5	1.1	.4
Household furniture	6.2	6.1	6.3	1.6	- .2
Stone, clay, and glass products	53.2	52.9	55.3	.6	- 3.9
Glass and glassware, pressed or blown	14.1	14.2	14.5	- .2	- 2.3
Structural clay products	5.1	5.2	4.8	- 1.3	6.0
Pottery and related products	5.7	5.6	5.7	1.3	1.0
Primary metal industries	106.6	105.5	115.9	1.0	- 8.0
Blast furnace and basic steel products	52.9	52.7	59.2	.2	- 10.7
Iron and steel foundries	21.2	20.9	24.2	1.6	- 12.2
Nonferrous rolling and drawing	18.4	18.0	18.0	1.9	2.0
Nonferrous foundries	8.6	8.4	8.6	3.3	1.0
Fabricated metal products	132.7	131.6	137.0	.8	- 3.1
Cutlery, hand tools, and hardware	11.5	11.4	11.2	.9	2.7
Plumbing and heating, except electric	4.2	4.1	4.6	3.1	- 8.8
Fabricated structural metal products	30.3	30.2	32.1	.4	- 5.7
Screw machine products, bolts, etc.	8.7	8.6	9.2	1.3	- 5.6
Metal forgings and stampings	39.0	38.7	39.1	.6	- .3
Machinery, except electrical	159.4	161.4	180.6	- 1.2	- 11.7
Construction and related machinery	17.9	17.8	21.9	.2	- 18.4
Metalworking machinery	39.5	39.6	47.5	- .2	- 16.9
Special industry machinery	17.2	17.4	18.7	- 1.2	- 8.0
General industrial machinery	31.7	31.8	35.3	- .3	- 10.3
Electric and electronic equipment	90.3	90.7	94.9	- .5	- 4.9
Electrical industrial apparatus	19.0	19.1	21.6	- .3	- 11.8
Household appliances	15.8	15.6	15.7	1.3	.5
Electric lighting and wiring equipment	17.9	18.1	18.8	- .9	- 4.7
Communication equipment	10.4	10.3	10.6	.3	- 2.4
Transportation equipment	134.0	132.9	125.8	.9	6.5
Motor vehicles and equipment	88.6	87.7	82.3	1.1	7.7
Aircraft and parts	36.9	36.6	35.4	.9	4.1
Instruments and related products	19.7	19.5	20.0	.8	- 1.3
Measuring and controlling devices	12.0	12.0	12.1	.1	- 1.1
Nondurable Goods[f]	343.4	341.7	350.5	.5	- 2.0
Food and kindred products	64.3	63.5	67.1	1.4	- 4.1
Meat products	9.9	9.9	11.3	- .6	- 12.4
Dairy products	10.9	10.8	11.3	1.2	- 3.2
Bakery products	10.1	10.1	10.5	- .9	- 4.2
Beverages	10.7	10.3	10.9	3.8	- 2.1
Textile mill products	4.3	4.2	4.4	2.4	- 3.1
Apparel and other textile products	16.9	16.7	16.5	1.4	2.6
Paper and allied products	34.9	34.5	35.4	1.0	- 1.6
Paper mills, except building paper	9.0	8.9	9.0	.3	- 1.0
Misc. converted paper products	11.3	11.2	11.4	.8	- .8
Paperboard containers and boxes	11.6	11.5	11.7	.7	- 1.4
Printing and publishing	61.6	61.7	63.5	- .3	- 3.1
Newspapers	18.2	18.3	19.4	- .6	- 6.1
Commercial printing	22.1	22.2	22.8	- .2	- 2.9
Chemicals and allied products	64.5	64.8	65.8	- .3	- 2.0
Industrial inorganic chemicals	11.8	12.2	12.4	- 2.7	- 4.8
Plastics materials and synthetics	8.9	8.9	9.1	.1	- 2.6
Petroleum and coal products	9.8	9.7	9.7	1.6	1.7
Rubber and misc. plastics products	81.2	80.8	82.2	.6	- 1.2
Tires and inner tubes	20.7	20.7	22.3	- .2	- 7.4
Miscellaneous plastics products	41.7	41.1	40.5	1.4	3.0
Leather and leather products	5.7	5.8	5.8	- .1	- .4

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
JUNE 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1983[b]	May 1983[c]	June 1982[c]	June 1983[b]	May 1983[c]	June 1982[c]	June 1983[b]	May 1983[c]	June 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$439.71	$431.96	$413.92	41.6	41.1	40.7	$10.57	$10.51	$10.17
Durable Goods[d]	454.95	447.69	426.54	41.7	41.3	40.7	10.91	10.84	10.48
Lumber and wood products	292.19	293.60	286.04	39.7	40.0	39.4	7.36	7.34	7.26
Furniture and fixtures	308.80	308.25	294.03	40.9	40.4	39.1	7.55	7.63	7.52
Household furniture	271.26	268.42	259.78	39.6	39.3	38.6	6.85	6.83	6.73
Stone, clay, and glass products	400.34	397.85	379.86	41.4	41.1	41.2	9.67	9.68	9.22
Glass and glassware, pressed or blown.	426.47	416.71	384.87	40.5	39.8	39.8	10.53	10.47	9.67
Structural clay products	307.22	311.33	289.76	42.2	42.3	41.1	7.28	7.36	7.05
Pottery and related products	314.50	319.66	301.86	37.8	38.1	38.7	8.32	8.39	7.80
Primary metal industries	505.49	493.96	495.67	40.7	39.9	40.2	12.42	12.38	12.33
Blast furnace and basic steel products	510.51	504.96	520.73	39.0	38.4	39.3	13.09	13.15	13.25
Iron and steel foundries	514.11	486.21	479.04	42.7	41.1	40.7	12.04	11.83	11.77
Nonferrous rolling and drawing	531.20	521.64	503.48	41.5	41.4	40.9	12.80	12.60	12.31
Nonferrous foundries	394.32	393.73	355.18	42.4	42.2	41.3	9.30	9.33	8.60
Fabricated metal products	463.01	452.28	408.18	42.4	41.8	39.9	10.92	10.82	10.23
Cutlery, hand tools, and hardware	484.15	466.67	389.64	42.1	40.9	38.2	11.50	11.41	10.20
Plumbing and heating, except electric.	340.54	328.38	335.15	40.3	39.0	37.7	8.45	8.42	8.89
Fabricated structural metal products .	399.37	399.59	352.74	40.3	40.2	38.3	9.91	9.94	9.21
Screw machine products, bolts, etc. ..	384.05	387.98	347.81	40.9	41.1	39.3	9.39	9.44	8.85
Metal forgings and stampings	564.88	548.00	505.40	44.2	43.7	41.7	12.78	12.54	12.12
Machinery, except electrical	427.18	417.91	401.79	40.8	40.3	40.3	10.47	10.37	9.97
Construction and related machinery	412.06	408.77	398.33	38.8	38.6	39.4	10.62	10.59	10.11
Metalworking machinery	396.68	391.68	376.75	38.7	38.4	38.8	10.25	10.20	9.71
Special industry machinery	410.59	395.85	388.66	41.6	40.6	42.2	9.87	9.75	9.21
General industrial machinery	420.25	415.74	392.03	41.0	40.6	39.4	10.25	10.24	9.95
Electric and electronic equipment	390.51	384.96	366.16	40.3	40.1	39.8	9.69	9.60	9.20
Electrical industrial apparatus	362.70	350.14	340.48	39.0	38.1	38.0	9.30	9.19	8.96
Household appliances	402.99	400.18	383.40	39.9	39.7	40.4	10.10	10.08	9.49
Electric lighting and wiring equipment	395.43	387.92	359.79	41.8	41.4	40.7	9.46	9.37	8.84
Communication equipment	434.84	413.60	391.17	41.1	40.0	39.0	10.58	10.34	10.03
Transportation equipment	568.58	560.33	541.37	44.7	44.4	43.8	12.72	12.62	12.36
Motor vehicles and equipment	602.67	594.17	577.52	45.9	45.6	44.7	13.13	13.03	12.92
Aircraft and parts	484.97	481.40	443.90	41.7	41.5	40.8	11.63	11.60	10.88
Instruments and related products	299.38	296.77	280.02	39.6	39.1	39.0	7.56	7.59	7.18
Measuring and controlling devices	294.88	289.56	273.18	38.8	38.2	38.1	7.60	7.58	7.17
Nondurable Goods[e]	402.11	397.80	381.92	41.2	40.8	40.5	9.76	9.75	9.43
Food and kindred products	409.36	401.58	390.45	41.9	41.4	41.1	9.77	9.70	9.50
Meat products	414.96	408.93	417.58	42.3	41.6	40.7	9.81	9.83	10.26
Dairy products	391.85	391.78	381.89	42.5	42.4	43.2	9.22	9.24	8.84
Bakery products	422.69	408.65	373.97	40.8	40.5	39.7	10.36	10.09	9.42
Beverages	373.93	361.80	336.93	40.6	40.2	37.9	9.21	9.00	8.89
Textile mill products	307.75	296.43	274.22	42.1	41.0	r39.8	7.31	7.23	6.89
Apparel and other textile products	228.78	226.81	218.37	37.2	37.0	36.7	6.15	6.13	5.95
Paper and allied products	420.04	416.11	390.96	43.8	43.3	43.2	9.59	9.61	9.05
Paper mills, except building paper	509.18	507.31	491.23	46.8	46.8	47.6	10.88	10.84	10.32
Misc. converted paper products	366.86	366.91	332.09	41.5	41.6	40.4	8.84	8.82	8.22
Paperboard containers and boxes	391.43	384.02	364.23	43.3	42.2	42.5	9.04	9.10	8.57
Printing and publishing	370.14	367.52	354.52	37.2	36.9	37.2	9.95	9.96	9.53
Newspapers	318.46	318.72	325.62	32.2	32.0	32.4	9.89	9.96	10.05
Commercial printing	385.84	375.12	358.90	38.7	37.7	38.1	9.97	9.95	9.42
Chemicals and allied products	452.09	444.72	416.97	41.4	40.8	41.0	10.92	10.90	10.17
Industrial inorganic chemicals	473.06	472.79	445.95	41.1	41.4	41.6	11.51	11.42	10.72
Plastics materials and synthetics	486.78	486.78	450.06	42.7	42.7	42.7	11.40	11.40	10.54
Petroleum and coal products	593.47	581.15	578.88	42.3	41.6	43.2	14.03	13.97	13.40
Rubber and misc. plastics products	414.19	413.10	395.37	42.7	42.5	41.4	9.70	9.72	9.55
Tires and inner tubes	542.75	546.99	523.58	43.7	43.9	43.2	12.42	12.46	12.12
Miscellaneous plastics products	403.75	403.75	378.10	42.5	42.5	40.7	9.50	9.50	9.29
Leather and leather products	214.56	214.56	192.77	38.8	38.8	37.0	5.53	5.53	5.21

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
JUNE 1983 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	June 1983[b]	May 1983[c]	June 1982[c]	May 1983	June 1982
NONMANUFACTURING	3049.9	3039.4	3072.3	.3	- .7
MINING	29.3	27.6	31.4	6.1	- 6.6
Bituminous coal and lignite mining	11.6	10.3	13.6	12.7	- 15.1
CONSTRUCTION	132.8	126.6	142.9	4.9	- 7.1
General building contractors	30.8	29.9	33.3	3.1	- 7.6
Heavy construction contractors	22.0	19.9	26.6	10.5	- 17.3
TRANSPORTATION AND PUBLIC UTILITIES	198.8	197.7	211.0	.6	- 5.8
Railroad transportation	20.9	20.9	24.6	- .3	- 15.3
Transportation, except railroads	86.1	85.3	89.1	1.0	- 3.3
Trucking and warehousing	61.2	60.7	64.6	.8	- 5.3
Communication, electric, gas services	91.8	91.5	97.3	.4	- 5.7
Communication	51.4	51.3	55.4	.2	- 7.2
Electric, gas, and sanitary services	40.4	40.2	42.0	.6	- 3.7
WHOLESALE TRADE	228.2	227.3	230.1	.4	- .8
Wholesale trade-durable goods	143.8	143.4	146.2	.3	- 1.6
Motor vehicles & automotive equipment	20.9	20.7	20.9	.7	- .1
Electrical goods	18.9	18.8	19.1	.5	- .9
Machinery, equipment, and supplies	61.6	61.4	62.1	.2	- .9
Wholesale trade-nondurable goods	84.4	83.9	83.8	.6	.7
Groceries and related products	25.9	25.6	25.4	1.3	2.0
RETAIL TRADE	705.7	702.6	714.2	.4	- 1.2
General merchandise stores	106.8	107.3	111.6	- .4	- 4.3
Department stores	97.5	97.9	101.9	- .4	- 4.3
Food stores	116.8	116.4	116.6	.4	.2
Automotive dealers & service stations	76.2	75.4	77.9	1.0	- 2.2
Apparel and accessory stores	32.1	32.0	33.1	.3	- 3.3
FINANCE, INSURANCE, AND REAL ESTATE	209.4	207.5	208.0	.9	.6
Banking	58.4	58.1	59.6	.6	- 2.0
Credit agencies other than banks	30.6	30.4	29.9	.8	2.5
Insurance carriers	59.4	59.3	59.7	.3	- .4
SERVICES	888.1	880.2	871.2	.9	1.9
Hotels and other lodging places	30.5	29.5	31.1	3.4	- 2.0
Laundry, cleaning, & garment services	16.5	16.4	16.9	.2	- 2.8
Business services	122.3	120.2	122.0	1.8	.3
Health services	324.4	322.1	312.7	.7	3.7
Hospitals	176.7	175.8	172.8	.5	2.3
GOVERNMENT	657.7	669.9	663.5	- 1.8	- .9
Federal government	88.7	87.7	89.4	1.1	- .8
State government	138.8	145.3	137.3	- 4.4	1.1
State government, except education	71.2	70.2	71.2	1.4	.0
State government education[i]	67.6	75.0	66.1	- 9.9	2.2
Local government	430.2	437.0	436.8	- 1.5	- 1.5
Local government, except education	190.8	183.7	188.6	3.8	1.2
Local government education	239.5	253.2	248.2	- 5.4	- 3.5

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
JUNE 1983 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1983[b]	May 1983[c]	June 1982[c]	June 1983[b]	May 1983[c]	June 1982[c]	June 1983[b]	May 1983[c]	June 1982[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$453.68	$445.40	$440.91	42.8	42.5	42.6	$10.60	$10.48	$10.35
Bituminous coal and lignite mining	556.50	553.50	522.07	42.0	41.9	41.5	13.25	13.21	12.58
CONSTRUCTION	568.89	572.29	540.94	37.6	37.7	37.0	15.13	15.18	14.62
General building contractors	502.15	510.13	490.31	36.6	36.7	36.4	13.72	13.90	13.47
Heavy construction contractors	564.41	578.10	550.80	38.5	39.3	37.7	14.66	14.71	14.61
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	473.86	466.25	459.54	38.0	37.3	37.0	12.47	12.50	12.42
Communication, electric, gas services	444.17	442.26	418.31	39.8	39.7	40.3	11.16	11.14	10.38
Communication	435.76	433.87	402.73	39.4	39.3	39.6	11.06	11.04	10.17
Electric, gas, and sanitary services	456.52	452.65	440.26	40.4	40.2	41.3	11.30	11.26	10.66
WHOLESALE TRADE	328.89	326.43	308.46	39.2	39.0	38.8	8.39	8.37	7.95
Wholesale trade-durable goods	321.50	320.69	301.09	39.4	39.3	38.9	8.16	8.16	7.74
Motor vehicles & automotive equipment	276.74	280.84	253.55	37.6	37.9	37.9	7.36	7.41	6.69
Electrical goods	263.63	265.50	252.52	37.5	37.5	37.3	7.03	7.08	6.77
Machinery, equipment, and supplies	359.70	356.21	328.94	40.1	39.8	39.3	8.97	8.95	8.37
Wholesale trade-nondurable goods	340.17	336.88	322.25	38.7	38.5	38.5	8.79	8.75	8.37
Groceries and related products	369.98	363.78	359.77	41.2	40.6	41.4	8.98	8.96	8.69
RETAIL TRADE[f]	162.06	159.05	153.83	29.9	29.4	29.3	5.42	5.41	5.25
General merchandise stores	166.55	162.48	156.60	30.9	30.2	30.0	5.39	5.38	5.22
Department stores	170.66	165.44	158.70	31.2	30.3	30.0	5.47	5.46	5.29
Food stores	229.26	223.39	227.84	32.2	31.2	31.6	7.12	7.16	7.21
Automotive dealers & service stations	215.94	211.85	199.93	36.6	36.4	37.3	5.90	5.82	5.36
Apparel and accessory stores	114.06	114.74	112.88	26.1	25.9	27.2	4.37	4.43	4.15
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	215.10	213.39	200.26	....	....	....	....	....	....
Credit agencies other than banks	206.94	209.77	200.12	....	....	....	....	....	....
Insurance carriers	287.39	286.70	270.40	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	278.94	277.98	263.93	34.1	33.9	34.1	8.18	8.20	7.74
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
JUNE 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	June 1983[b]	May 1983[c]	June 1982[c]	May 1983	June 1982
TOTAL	247.5	251.5	249.5	- 1.6	- .8
MANUFACTURING	67.0	67.2	69.5	- .3	- 3.6
Durable Goods[e]	33.6	33.8	34.8	- .5	- 3.4
Stone, clay, and glass products	2.0	2.0	1.7	.9	13.2
Fabricated metal products	12.2	12.4	13.0	- 1.7	- 6.2
Machinery, except electrical	9.0	9.0	9.9	.4	- 9.2
Special industry machinery	1.5	1.5	2.1	1.5	- 27.1
Nondurable Goods[f]	33.4	33.4	34.7	- .2	- 3.7
Food and kindred products	2.5	2.5	2.7	- .3	- 7.6
Chemicals and allied products	3.0	3.1	3.2	- 3.0	- 6.1
Rubber and misc. plastics products	22.9	23.0	23.9	- .1	- 4.1
Tires and inner tubes	16.6	16.7	18.0	- .2	- 7.4
NONMANUFACTURING[g]	180.5	184.3	179.9	- 2.1	.3
CONSTRUCTION	7.4	6.9	7.4	7.2	- .4
TRANSPORTATION AND PUBLIC UTILITIES	12.9	12.7	13.3	1.0	- 3.6
Communication, electric, gas services	5.4	5.4	5.6	.7	- 3.0
WHOLESALE TRADE	12.5	12.5	12.4	.3	.4
RETAIL TRADE	46.6	46.2	46.1	.8	1.1
FINANCE, INSURANCE, AND REAL ESTATE	9.3	9.2	9.4	.6	- .7
SERVICES	54.3	52.7	53.5	3.0	1.4
GOVERNMENT	36.9	43.4	37.0	- 14.9	- .3
State government (includes education)	8.8	14.7	8.5	- 40.0	3.2
Local government (includes education)	26.1	26.7	26.4	- 2.3	- 1.4

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
JUNE 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1983[b]	May 1983[c]	June 1982[c]	June 1983[b]	May 1983[c]	June 1982[c]	June 1983[b]	May 1983[c]	June 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$437.99	$440.91	$407.12	42.4	42.6	41.5	$10.33	$10.35	$ 9.81
Durable Goods[d]	438.23	444.44	401.44	42.3	42.9	41.6	10.36	10.36	9.65
Stone, clay, and glass products	393.65	390.93	376.68	41.7	41.5	43.0	9.44	9.42	8.76
Fabricated metal products	487.30	507.36	394.82	42.3	43.7	39.8	11.52	11.61	9.92
Machinery, except electrical	415.43	411.15	407.45	43.5	43.6	43.3	9.55	9.43	9.41
Special industry machinery	418.58	413.22	367.33	41.9	42.6	41.6	9.99	9.70	8.83
Nondurable Goods[e]	438.78	436.35	415.24	42.6	42.2	41.4	10.30	10.34	10.03
Food and kindred products	466.01	460.80	425.92	45.2	45.0	44.0	10.31	10.24	9.68
Chemicals and allied products	442.41	445.12	434.09	40.7	41.6	41.5	10.87	10.70	10.46
Rubber and misc. plastics products	467.98	456.82	437.14	44.4	43.3	42.4	10.54	10.55	10.31
Tires and inner tubes	597.23	599.52	559.07	45.8	45.8	44.3	13.04	13.09	12.62
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	561.25	552.05	536.16	36.9	37.2	36.9	15.21	14.84	14.53
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	443.37	445.28	410.40	39.8	39.9	40.0	11.14	11.16	10.26
WHOLESALE TRADE	300.25	298.65	282.17	39.3	39.4	39.3	7.64	7.58	7.18
RETAIL TRADE[f]	179.06	175.81	171.80	30.4	29.9	30.3	5.89	5.88	5.67
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
JUNE 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	June 1983[b]	May 1983[c]	June 1982[c]	May 1983	June 1982
TOTAL	148.7	148.1	152.2	.4	- 2.3
MANUFACTURING	46.2	45.7	49.5	1.2	- 6.6
Durable Goods[e]	35.1	34.7	38.1	1.2	- 7.9
Stone, clay, and glass products	2.0	2.0	1.8	1.1	11.3
Primary metal industries	11.2	11.0	11.8	2.2	- 4.9
Fabricated metal products	7.7	7.6	8.9	.7	- 14.0
Fabricated structural metal products	2.3	2.3	3.1	.4	- 25.6
Metal forgings and stampings	2.2	2.2	2.5	2.4	- 11.6
Nondurable Goods[f]	11.2	11.0	11.4	1.2	- 2.2
Food and kindred products	4.0	3.9	4.2	1.4	- 5.5
Rubber and misc. plastics products	2.8	2.8	2.8	1.4	.5
NONMANUFACTURING[g]	102.4	102.4	102.7	.1	- .2
CONSTRUCTION	4.8	4.5	5.0	5.5	- 5.3
TRANSPORTATION AND PUBLIC UTILITIES	6.1	6.1	6.6	.5	- 7.8
Communication, electric, gas services	2.9	2.9	3.1	.1	- 5.4
WHOLESALE TRADE	7.8	7.8	7.7	.4	2.0
RETAIL TRADE	26.5	26.3	26.3	.6	.6
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.4	6.5	1.4	.5
SERVICES	31.8	31.6	31.0	.9	2.8
GOVERNMENT	17.6	18.4	18.2	- 4.4	- 3.6
Local government (includes education)	14.8	15.5	15.2	- 4.8	- 3.1

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
JUNE 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1983[b]	May 1983[c]	June 1982[c]	June 1983[b]	May 1983[c]	June 1982[c]	June 1983[b]	May 1983[c]	June 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$414.85	$409.62	$401.80	39.1	38.9	39.2	$10.61	$10.53	$10.25
Durable Goods[d]	426.97	419.43	410.55	39.1	38.8	39.1	10.92	10.81	10.50
Stone, clay, and glass products	273.88	280.57	259.07	40.1	41.2	38.9	6.83	6.81	6.66
Primary metal industries	453.77	445.43	454.98	38.1	37.4	36.9	11.91	11.91	12.33
Fabricated metal products	498.00	470.26	434.91	41.5	40.4	39.9	12.00	11.64	10.90
Fabricated structural metal products .	460.53	466.05	398.78	40.9	41.5	40.2	11.26	11.23	9.92
Metal forgings and stampings	609.00	542.30	525.36	43.1	40.2	40.6	14.13	13.49	12.94
Nondurable Goods[e]	374.58	375.93	370.54	39.1	39.2	39.8	9.58	9.59	9.31
Food and kindred products	424.14	427.17	417.88	39.9	39.7	38.8	10.63	10.76	10.77
Rubber and misc. plastics products	396.77	404.35	381.50	42.3	43.2	43.5	9.38	9.36	8.77
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	548.96	541.37	532.17	36.5	35.9	36.4	15.04	15.08	14.62
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services ..	445.68	443.37	423.91	39.9	39.8	40.8	11.17	11.14	10.39
WHOLESALE TRADE	306.45	306.36	285.74	37.1	37.0	37.4	8.26	8.28	7.64
RETAIL TRADE[f]	160.36	158.30	150.23	30.2	29.7	29.4	5.31	5.33	5.11
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education) ..	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
JUNE 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	June 1983[b]	May 1983[c]	June 1982[c]	May 1983	June 1982
TOTAL	577.9	574.4	584.0	.6	- 1.0
MANUFACTURING	144.8	143.6	148.6	.9	- 2.6
Durable Goods[e]	80.2	79.1	81.7	1.4	- 1.8
Furniture and fixtures	2.1	2.0	2.2	2.2	- 4.4
Primary metal industries	1.8	1.7	2.2	6.0	- 15.3
Fabricated metal products	12.3	12.2	12.6	.9	- 2.7
Fabricated structural metal products	3.8	3.8	4.2	- 1.4	- 10.4
Machinery, except electrical	21.4	21.5	23.2	- .4	- 7.6
Metalworking machinery	10.4	10.4	11.3	- .2	- 7.6
General industrial machinery	3.4	3.5	3.8	- 1.8	- 9.8
Electric and electronic equipment	7.7	7.7	7.9	.4	- 1.8
Transportation equipment	24.4	24.0	23.5	1.9	3.7
Motor vehicles and equipment	9.5	9.2	9.0	3.1	4.9
Nondurable Goods[f]	64.6	64.5	66.9	.2	- 3.5
Food and kindred products	14.0[h]	13.9[h]	15.9	.7	- 11.8
Meat products	1.9	1.9	2.5	- .3	- 24.4
Bakery products	2.3	2.4	2.4	- 4.0	- 4.8
Beverages	4.1	3.9	4.5	5.1	- 8.2
Apparel and other textile products	3.9	3.8	3.7	2.9	6.7
Paper and allied products	5.8	5.7	6.0	1.1	- 4.1
Printing and publishing	11.3	11.3	11.6	- .1	- 2.0
Chemicals and allied products	21.6	21.8	22.1	- .8	- 2.1
Rubber and misc. plastics products	4.3	4.3	4.3	.6	1.4
NONMANUFACTURING[g]	433.1	430.8	435.4	.5	- .5
CONSTRUCTION	19.0	18.4	21.6	3.1	- 11.7
TRANSPORTATION AND PUBLIC UTILITIES	31.5	31.4	32.7	.2	- 3.9
Communication, electric, gas services	14.4	14.4	14.8	.2	- 2.3
WHOLESALE TRADE	36.9	36.8	37.4	.3	- 1.4
RETAIL TRADE	101.5	101.6	101.7	- .1	- .2
FINANCE, INSURANCE, AND REAL ESTATE	32.2	32.1	32.5	.3	- .7
Banking	7.2	7.2	7.5	.2	- 3.4
Insurance carriers	11.3	11.3	11.5	- .3	- 1.7
SERVICES	131.8	129.8	127.5	1.6	3.4
GOVERNMENT	79.7	80.2	81.6	- .6	- 2.3
Federal government	12.4	12.3	12.7	.3	- 2.3
State government (includes education)	18.3	18.4	18.2	- .5	.5
Local government	49.1	49.5	50.7	- .9	- 3.3
Local government, except education	22.1	21.6	22.5	2.4	- 1.6
Local government education	27.0	27.9	28.3	- 3.5	- 4.7

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
JUNE 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1983[b]	May 1983[c]	June 1982[c]	June 1983[b]	May 1983[c]	June 1982[c]	June 1983[b]	May 1983[c]	June 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$419.80	$412.08	$395.24	41.4	40.8	41.0	$10.14	$10.10	$ 9.64
Durable Goods[d]	404.50	398.93	391.27	40.9	40.5	41.1	9.89	9.85	9.52
Furniture and fixtures	310.42	318.16	255.93	39.9	41.0	35.3	7.78	7.76	7.25
Primary metal industries	404.90	419.58	348.37	37.7	37.0	36.1	10.74	11.34	9.65
Fabricated metal products	382.39	379.22	367.57	41.7	41.4	41.3	9.17	9.16	8.90
Fabricated structural metal products	338.37	344.97	334.15	39.3	40.3	40.9	8.61	8.56	8.17
Machinery, except electrical	365.76	357.88	336.40	39.8	38.9	38.8	9.19	9.20	8.67
Metalworking machinery	398.35	387.00	357.33	38.6	37.5	37.3	10.32	10.32	9.58
General industrial machinery	331.17	361.24	352.97	39.9	42.7	40.9	8.30	8.46	8.63
Electric and electronic equipment	299.91	304.94	290.82	39.0	39.5	39.3	7.69	7.72	7.40
Transportation equipment	556.75	544.35	574.40	42.5	42.1	44.7	13.10	12.93	12.85
Motor vehicles and equipment	639.12	616.17	701.30	44.6	43.7	48.1	14.33	14.10	14.58
Nondurable Goods[e]	436.18	427.24	398.62	41.9	41.2	40.8	10.41	10.37	9.77
Food and kindred products	496.22	485.64	461.42	43.3	42.6	42.1	11.46	11.40	10.96
Meat products	406.85	412.85	456.96	41.9	42.3	42.0	9.71	9.76	10.88
Bakery products	461.04	439.21	388.82	43.7	43.4	40.8	10.55	10.12	9.53
Beverages	442.44	442.57	423.85	41.7	41.4	42.3	10.61	10.69	10.02
Apparel and other textile products	214.70	228.33	231.67	37.6	38.7	39.2	5.71	5.90	5.91
Paper and allied products	370.05	361.18	348.19	41.3	40.4	41.9	8.96	8.94	8.31
Printing and publishing	423.15	413.04	371.89	40.3	39.3	38.3	10.50	10.51	9.71
Chemicals and allied products	504.64	489.35	440.90	42.3	41.4	40.9	11.93	11.82	10.78
Rubber and misc. plastics products	380.59	379.85	317.48	46.3	45.6	41.5	8.22	8.33	7.65
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	532.70	541.97	508.01	37.2	37.9	34.7	14.32	14.30	14.64
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	438.06	433.48	401.02	39.5	39.3	39.2	11.09	11.03	10.23
WHOLESALE TRADE	330.03	332.98	314.79	38.6	38.9	39.3	8.55	8.56	8.01
RETAIL TRADE[f]	162.93	160.51	155.62	30.8	30.4	30.1	5.29	5.28	5.17
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	222.27	220.41	199.44	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
JUNE 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	June 1983[b]	May 1983[c]	June 1982[c]	May 1983	June 1982
TOTAL	837.9	831.3	859.3	.8	- 2.5
MANUFACTURING	211.9	211.4	227.4	.2	- 6.8
Durable Goods[e]	147.1	147.2	162.3	- .1	- 9.4
Furniture and fixtures	1.7	1.8	2.0	- 6.0	- 16.8
Primary metal industries	23.9	23.8	27.2	.3	- 12.2
Blast furnace and basic steel products	12.0	12.0	14.2	.1	- 15.4
Iron and steel foundries	5.8	5.8	6.8	.2	- 13.7
Nonferrous foundries	2.6	2.4	2.6	4.8	- 3.1
Fabricated metal products	31.6	31.6	34.3	- .1	- 7.9
Fabricated structural metal products	3.8	3.8	4.2	- 1.6	- 10.6
Screw machine products, bolts, etc.	4.6	4.6	4.9	- .3	- 6.4
Metal forgings and stampings	10.6	10.6	12.0	.2	- 11.5
Machinery, except electrical	31.9	32.2	39.1	- 1.1	- 18.4
Construction and related machinery	5.4	5.5	7.0	- .3	- 21.9
Metalworking machinery	10.5	10.6	13.4	- 1.5	- 21.7
Special industry machinery	3.0	3.1	3.4	- 5.2	- 13.4
General industrial machinery	2.6	2.7	3.4	- 2.6	- 23.5
Electric and electronic equipment	23.2	23.3	24.2	- .5	- 3.9
Electrical industrial apparatus	7.9	8.0	8.8	- .1	- 9.6
Transportation equipment	20.9	20.8	21.1	.4	- 1.2
Motor vehicles and equipment	14.7	14.6	14.3	.6	2.3
Instruments and related products	5.6	5.6	6.0	.0	- 6.2
Nondurable Goods[f]	64.9	64.2	65.1	1.1	- .4
Food and kindred products	8.0	7.9	7.9	1.3	1.7
Bakery products	1.7	1.7	1.8	.0	- 5.1
Beverages	1.6	1.6	1.6	- .4	1.4
Apparel and other textile products	5.4	5.3	5.3	2.1	1.8
Paper and allied products	5.1	5.0	5.0	1.5	2.0
Printing and publishing	15.2	15.1	15.6	.7	- 2.4
Chemicals and allied products	14.5	14.6	15.3	- .1	- 4.8
Industrial inorganic chemicals	3.5	3.6	4.0	- 3.8	- 12.1
Rubber and misc. plastics products	10.4	10.3	10.2	1.0	1.7
NONMANUFACTURING[g]	626.0	619.9	631.9	1.0	- .9
CONSTRUCTION	25.1	24.2	26.5	3.7	- 5.3
TRANSPORTATION AND PUBLIC UTILITIES	42.1	41.8	44.1	.7	- 4.7
Communication, electric, gas services	19.6	19.5	20.4	.8	- 3.9
WHOLESALE TRADE	60.2	60.0	61.2	.3	- 1.7
RETAIL TRADE	133.7	132.7	136.6	.8	- 2.1
FINANCE, INSURANCE, AND REAL ESTATE	48.1	47.7	48.8	.8	- 1.3
Banking	13.1	13.1	13.7	.4	- 4.5
Insurance carriers	12.0	12.0	12.3	.2	- 2.8
SERVICES	197.7	196.6	193.7	.6	2.0
GOVERNMENT	118.0	115.8	119.7	1.9	- 1.4
Federal government	19.1	18.9	19.5	1.0	- 2.5
State government (includes education)	8.0	7.7	8.0	4.8	.8
Local government	90.9	89.2	92.1	1.9	- 1.3
Local government, except education	48.7	45.6	46.4	6.9	5.0
Local government education	42.2	43.6	45.7	- 3.3	- 7.7

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
JUNE 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1983[b]	May 1983[c]	June 1982[c]	June 1983[b]	May 1983[c]	June 1982[c]	June 1983[b]	May 1983[c]	June 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$432.41	$423.05	$420.25	41.3	40.6	41.0	$10.47	$10.42	$10.25
Durable Goods[d]	461.32	448.13	444.39	41.9	41.0	41.3	11.01	10.93	10.76
Furniture and fixtures	320.80	290.03	299.70	40.1	36.9	40.5	8.00	7.86	7.40
Primary metal industries	495.29	486.33	525.84	40.3	39.7	41.7	12.29	12.25	12.61
Blast furnace and basic steel products	466.77	467.13	538.54	36.1	36.1	40.1	12.93	12.94	13.43
Iron and steel foundries	634.80	610.34	636.05	46.0	44.1	45.4	13.80	13.84	14.01
Nonferrous foundries	359.57	357.93	341.82	41.0	41.0	39.7	8.77	8.73	8.61
Fabricated metal products	452.63	436.58	439.43	42.5	41.5	41.3	10.65	10.52	10.64
Fabricated structural metal products	371.54	343.20	342.29	41.1	39.0	40.7	9.04	8.80	8.41
Screw machine products, bolts, etc.	412.43	407.55	349.44	42.3	41.8	38.4	9.75	9.75	9.10
Metal forgings and stampings	574.27	548.92	578.95	44.9	43.6	44.5	12.79	12.59	13.01
Machinery, except electrical	453.86	434.97	407.95	41.6	40.5	39.8	10.91	10.74	10.25
Construction and related machinery	467.26	461.78	440.22	39.2	39.2	39.2	11.92	11.78	11.23
Metalworking machinery	423.86	412.91	365.10	40.1	39.4	37.6	10.57	10.48	9.71
Special industry machinery	462.58	439.15	416.77	42.4	40.4	40.7	10.91	10.87	10.24
General industrial machinery	378.00	371.94	387.69	40.0	39.4	39.2	9.45	9.44	9.89
Electric and electronic equipment	369.03	364.77	340.08	39.3	38.6	39.0	9.39	9.45	8.72
Electrical industrial apparatus	363.21	341.44	331.51	37.1	35.2	35.8	9.79	9.70	9.26
Transportation equipment	598.84	585.13	585.35	46.1	45.5	46.2	12.99	12.86	12.67
Motor vehicles and equipment	645.70	627.79	636.22	47.2	46.4	47.8	13.68	13.53	13.31
Instruments and related products	355.42	348.39	327.18	40.9	40.7	41.0	8.69	8.56	7.98
Nondurable Goods[e]	359.50	357.08	350.88	39.9	39.5	40.1	9.01	9.04	8.75
Food and kindred products	374.33	378.28	380.52	40.6	40.2	42.9	9.22	9.41	8.87
Bakery products	378.50	376.27	396.35	39.8	39.4	42.3	9.51	9.55	9.37
Beverages	358.28	354.46	325.21	42.4	41.8	40.6	8.45	8.48	8.01
Apparel and other textile products	261.51	255.13	247.53	37.9	37.3	37.0	6.90	6.84	6.69
Paper and allied products	392.46	385.33	358.28	42.2	41.3	40.9	9.30	9.33	8.76
Printing and publishing	356.71	361.15	369.89	35.6	35.9	37.4	10.02	10.06	9.89
Chemicals and allied products	441.79	435.59	425.76	41.6	40.9	41.7	10.62	10.65	10.21
Industrial inorganic chemicals	462.84	464.12	423.12	40.6	41.0	41.0	11.40	11.32	10.32
Rubber and misc. plastics products	335.49	330.43	309.41	42.2	42.2	41.7	7.95	7.83	7.42
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	665.90	671.46	623.32	37.6	38.0	37.8	17.71	17.67	16.49
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	464.52	459.40	448.44	39.5	39.4	40.4	11.76	11.66	11.10
WHOLESALE TRADE	339.63	334.84	333.26	39.4	38.8	39.3	8.62	8.63	8.48
RETAIL TRADE[f]	173.76	168.13	164.74	29.5	28.4	28.7	5.89	5.92	5.74
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	243.86	241.68	227.62	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
JUNE 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	June 1983[b]	May 1983[c]	June 1982[c]	May 1983	June 1982
TOTAL	504.4	501.4	501.1	.6	.6
MANUFACTURING	87.1	86.9	86.6	.3	.6
Durable Goods[e]	55.6	55.2	54.6	.7	1.9
Stone, clay, and glass products	9.1	9.0	9.3	.7	- 2.0
Fabricated metal products	9.6	9.6	9.4	- .3	2.7
Machinery, except electrical	10.1	10.0	10.6	1.0	- 4.5
Electric and electronic equipment	10.3	10.2	10.8	.7	- 5.4
Transportation equipment	8.1	7.9	6.4	2.2	25.8
Nondurable Goods[f]	31.6	31.7	32.0	- .4	- 1.5
Food and kindred products	10.1	10.0	10.2	.8	- 1.0
Printing and publishing	7.9	8.1	8.2	- 2.2	- 3.8
Chemicals and allied products	6.1	6.2	6.0	- 1.5	.4
Rubber and misc. plastics products	2.6	2.6	2.8	.5	- 5.2
NONMANUFACTURING[g]	417.2	414.5	414.6	.7	.6
CONSTRUCTION	14.8	14.0	15.0[h]	5.5	- 1.1
TRANSPORTATION AND PUBLIC UTILITIES	22.1	22.0	23.6	.3	- 6.5
Communication, electric, gas services	10.6	10.6	11.4	.1	- 6.8
WHOLESALE TRADE	27.3	27.1	27.2	.6	.3
RETAIL TRADE	93.0	92.8	93.4	.2	- .5
FINANCE, INSURANCE, AND REAL ESTATE	42.5	42.1	41.3	.8	2.9
Banking	8.4	8.4	8.2	- .5	2.3
Insurance carriers	17.6	17.6	17.6	.1	- .2
SERVICES	114.5	113.4	110.8	1.0	3.4
GOVERNMENT	102.4	102.2	102.6	.1	- .2
Federal government	11.3	11.1	11.6	1.5	- 2.9
State government	48.9	48.9	48.3	.1	1.3
State government, except education	28.8	28.5	28.9	.9	- .4
State government education[i]	20.2	20.4	19.4	- 1.1	3.8
Local government	42.1	42.2	42.7	- .1	- 1.2
Local government, except education	18.5	17.8	18.1	4.2	2.4
Local government education	23.6	24.4	24.6	- 3.3	- 3.9

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
JUNE 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1983[b]	May 1983[c]	June 1982[c]	June 1983[b]	May 1983[c]	June 1982[c]	June 1983[b]	May 1983[c]	June 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$407.59	$398.97	$373.33	40.8	40.3	40.1	$ 9.99	$ 9.90	$ 9.31
Durable Goods[d]	430.32	418.14	385.52	41.1	40.4	40.2	10.47	10.35	9.59
Stone, clay, and glass products	396.17	389.37	364.00	40.8	40.1	40.4	9.71	9.71	9.01
Fabricated metal products	533.25	509.57	448.40	42.9	41.7	40.0	12.43	12.22	11.21
Machinery, except electrical	373.32	373.07	381.56	39.8	39.9	41.7	9.38	9.35	9.15
Electric and electronic equipment	404.67	393.16	371.45	41.0	40.7	40.2	9.87	9.66	9.24
Transportation equipment	549.18	529.87	477.73	45.2	43.9	43.0	12.15	12.07	11.11
Nondurable Goods[e]	363.51	361.80	348.65	40.3	40.2	39.8	9.02	9.00	8.76
Food and kindred products	367.63	361.54	369.79	42.5	41.7	43.2	8.65	8.67	8.56
Printing and publishing	434.32	426.39	390.97	37.8	37.7	37.2	11.49	11.31	10.51
Chemicals and allied products	407.59	407.77	387.73	40.8	40.9	40.9	9.99	9.97	9.48
Rubber and misc. plastics products	294.17	301.08	283.28	41.2	41.3	36.6	7.14	7.29	7.74
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	488.07	498.70	488.82	37.4	37.3	38.1	13.05	13.37	12.83
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	456.25	453.94	432.28	39.4	39.2	40.1	11.58	11.58	10.78
WHOLESALE TRADE	319.20	317.59	297.22	39.9	39.6	38.5	8.00	8.02	7.72
RETAIL TRADE[f]	166.84	164.61	149.95	29.9	29.5	28.4	5.58	5.58	5.28
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	235.65	230.98	221.80	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
JUNE 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	June 1983[b]	May 1983[c]	June 1982[c]	May 1983	June 1982
TOTAL	336.6	335.6	338.7	.3	- .6
MANUFACTURING	86.5	86.2	88.7	.3	- 2.5
Durable Goods[e]	60.2	60.0	62.2	.3	- 3.2
Stone, clay, and glass products	2.1	2.1	2.0	.9	6.2
Fabricated metal products	6.7	6.6	6.8	1.4	- 2.0
Machinery, except electrical	28.3	28.2	29.5	.3	- 3.9
Metalworking machinery	6.0	6.0	6.6	- .1	- 9.0
Electric and electronic equipment	4.5	4.6	5.0	- .4	- 8.9
Electrical industrial apparatus	2.6	2.6	3.0	- 1.4	- 12.6
Transportation equipment	12.8	12.8	13.3	- .1	- 3.9
Nondurable Goods[f]	26.3	26.3	26.5	.1	- .6
Food and kindred products	2.9	2.9	2.8	1.7	5.0
Paper and allied products	5.2	5.2	5.4	.5	- 3.8
Printing and publishing	7.3	7.4	7.3	- 1.7	.4
Rubber and misc. plastics products	7.4	7.4	7.6	- .1	- 3.0
NONMANUFACTURING[g]	250.2	249.3	250.1	.3	.0
CONSTRUCTION	9.4	9.0	9.9	4.0	- 5.3
TRANSPORTATION AND PUBLIC UTILITIES	12.3	12.3	13.2	.3	- 6.4
Communication, electric, gas services	5.8	5.8	6.8	.5	- 14.0
WHOLESALE TRADE	16.6	16.4	16.6	.8	- .3
RETAIL TRADE	54.7	54.9	55.7	- .2	- 1.8
FINANCE, INSURANCE, AND REAL ESTATE	13.6	13.6	13.5	.3	.9
SERVICES	76.5	75.0	73.9	2.0	3.4
GOVERNMENT	66.8	68.0	67.0	- 1.7	- .2
Federal government	26.1	25.8	26.1	.9	- .1
State government (includes education)	5.8	5.8	6.0	.3	- 2.5
Local government	35.0	36.3	34.9	- 3.8	.1
Local government, except education	13.2	13.1	13.2	1.1	.2
Local government education	21.7	23.3	21.7	- 6.5	.0

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
JUNE 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1983[b]	May 1983[c]	June 1982[c]	June 1983[b]	May 1983[c]	June 1982[c]	June 1983[b]	May 1983[c]	June 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$442.46	$430.32	$425.60	41.9	41.1	41.2	$10.56	$10.47	$10.33
Durable Goods[d]	443.94	427.24	431.19	42.2	41.2	41.5	10.52	10.37	10.39
Stone, clay, and glass products	378.82	358.52	398.69	40.3	38.1	40.6	9.40	9.41	9.82
Fabricated metal products	333.68	332.10	300.95	40.3	40.5	37.2	8.28	8.20	8.09
Machinery, except electrical	466.52	451.02	455.18	42.8	41.8	42.5	10.90	10.79	10.71
Metalworking machinery	430.36	432.01	398.00	41.5	41.7	40.0	10.37	10.36	9.95
Electric and electronic equipment	309.68	310.87	300.29	39.5	39.5	40.2	7.84	7.87	7.47
Electrical industrial apparatus	327.41	329.47	312.78	39.4	39.6	39.0	8.31	8.32	8.02
Transportation equipment	560.30	520.33	549.50	43.3	41.1	42.4	12.94	12.66	12.96
Nondurable Goods[e]	440.26	436.56	415.14	41.3	40.8	40.7	10.66	10.70	10.20
Food and kindred products	392.80	393.56	380.24	40.0	40.2	38.1	9.82	9.79	9.98
Paper and allied products	372.70	359.86	335.78	42.4	40.8	40.7	8.79	8.82	8.25
Printing and publishing	366.06	372.05	380.02	35.3	35.4	37.7	10.37	10.51	10.08
Rubber and misc. plastics products	586.88	582.03	540.20	44.8	44.6	43.6	13.10	13.05	12.39
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	541.74	560.38	497.78	39.2	39.8	36.9	13.82	14.08	13.49
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	458.34	450.99	417.10	40.1	39.7	39.8	11.43	11.36	10.48
WHOLESALE TRADE	338.25	336.17	303.05	41.1	40.6	41.4	8.23	8.28	7.32
RETAIL TRADE[f]	159.07	155.82	149.21	29.9	29.4	29.2	5.32	5.30	5.11
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
JUNE 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	June 1983[b]	May 1983[c]	June 1982[c]	May 1983	June 1982
TOTAL	285.5	284.4	285.7	.4	- .1
MANUFACTURING	68.9	68.3	70.1	.8	- 1.7
Durable Goods[e]	53.2	53.0	54.4	.3	- 2.2
Stone, clay, and glass products	11.7	11.7	12.5	.0	- 6.3
Primary metal industries	3.9	3.8	4.0	3.7	- 1.9
Fabricated metal products	7.8	7.9	7.6	- 1.6	1.8
Metal forgings and stampings	3.6	3.7	3.5	- 4.9	2.5
Machinery, except electrical	5.7	5.7	6.5	.4	- 11.5
General industrial machinery	1.6	1.6	1.9	.7	- 18.0
Transportation equipment	16.8	16.7	16.2	1.0	3.7
Motor vehicles and equipment	15.6	15.5	15.0	1.0	3.8
Nondurable Goods[f]	15.7	15.3	15.7	2.5	.2
Food and kindred products	4.4	4.1	4.1	5.6	5.8
Rubber and misc. plastics products	3.5	3.4	3.3	1.9	6.2
NONMANUFACTURING[g]	216.6	216.1	215.7	.2	.4
CONSTRUCTION	10.6	10.2	11.2[h]	4.6	- 4.7
TRANSPORTATION AND PUBLIC UTILITIES	17.5	17.4	18.3	.4	- 4.4
Communication, electric, gas services	7.5	7.5	7.7	.3	- 2.9
WHOLESALE TRADE	14.4	14.3	14.7	.6	- 1.8
RETAIL TRADE	50.3	49.8	51.1	1.1	- 1.6
FINANCE, INSURANCE, AND REAL ESTATE	11.0	11.0	10.8	.3	2.0
SERVICES	65.7	65.5	63.7	.4	3.1
GOVERNMENT	46.4	47.4	45.4	- 2.0	2.3
State government (includes education)	15.2	15.0	14.9	1.3	1.5
Local government	28.6	29.7	27.7	- 3.8	3.1
Local government, except education	11.4	11.2	10.9	2.4	4.6
Local government education	17.1	18.5	16.7	- 7.5	2.2

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
JUNE 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1983[b]	May 1983[c]	June 1982[c]	June 1983[b]	May 1983[c]	June 1982[c]	June 1983[b]	May 1983[c]	June 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$476.85	$482.08	$458.96	42.5	42.7	41.8	$11.22	$11.29	$10.98
Durable Goods[d]	496.48	502.12	474.13	42.8	43.1	41.7	11.60	11.65	11.37
Stone, clay, and glass products	488.48	488.32	487.73	43.0	43.1	43.2	11.36	11.33	11.29
Primary metal industries	439.38	429.06	421.88	42.7	41.9	42.7	10.29	10.24	9.88
Fabricated metal products	467.99	469.52	456.20	42.7	42.8	41.7	10.96	10.97	10.94
Metal forgings and stampings	532.44	521.24	533.52	43.5	42.9	43.2	12.24	12.15	12.35
Machinery, except electrical	419.23	416.80	423.31	39.7	40.0	40.2	10.56	10.42	10.53
General industrial machinery	490.69	481.19	479.40	39.7	39.9	40.8	12.36	12.06	11.75
Transportation equipment	574.66	591.41	543.02	43.8	44.5	41.9	13.12	13.29	12.96
Motor vehicles and equipment	575.09	592.30	548.60	43.8	44.5	42.2	13.13	13.31	13.00
Nondurable Goods[e]	403.19	408.12	401.28	41.1	41.1	41.8	9.81	9.93	9.60
Food and kindred products	419.09	419.67	444.32	41.7	41.8	44.7	10.05	10.04	9.94
Rubber and misc. plastics products	319.20	341.54	330.89	40.1	41.1	40.6	7.96	8.31	8.15
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	612.47	656.88	617.27	37.3	39.1	38.7	16.42	16.80	15.95
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	461.55	465.47	452.25	40.1	40.3	40.2	11.51	11.55	11.25
WHOLESALE TRADE	339.84	340.95	324.80	38.4	38.7	37.9	8.85	8.81	8.57
RETAIL TRADE[f]	163.46	161.80	158.26	29.4	29.1	29.2	5.56	5.56	5.42
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
JUNE 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	June 1983[b]	May 1983[c]	June 1982[c]	May 1983	June 1982
TOTAL	183.7	183.5	186.4	.1	- 1.5
MANUFACTURING	54.9	54.8	55.3	.2	- .8
Durable Goods[e]	49.9	49.8	50.4	.2	- .9
Stone, clay, and glass products	1.8	1.7	1.5	2.8	16.4
Primary metal industries	23.0	23.1	24.5	- .3	- 6.2
Blast furnace and basic steel products	9.4	9.7	11.6	- 3.5	- 18.6
Fabricated metal products	8.5	8.4	8.1	2.1	6.0
Fabricated structural metal products	2.4	2.3	2.3	2.7	.7
Machinery, except electrical	3.7	3.7	5.0	- .1	- 25.2
Metalworking machinery	1.8	1.8	2.5	.1	- 27.9
Electric and electronic equipment	2.6	2.6	2.8	- .7	- 9.7
Transportation equipment	8.9	9.0	6.7	- .7	32.4
Nondurable Goods[f]	5.0	5.0	5.0	.4	.2
NONMANUFACTURING[g]	128.8	128.7	131.1	.1	- 1.8
CONSTRUCTION	5.1	4.8	5.7	6.1	- 10.1
TRANSPORTATION AND PUBLIC UTILITIES	7.9	7.8	8.4	.6	- 6.7
Communication, electric, gas services	3.2	3.2	3.4	.7	- 5.8
WHOLESALE TRADE	8.0	7.8	8.1	2.1	- 1.7
RETAIL TRADE	34.9	34.9	36.3	.1	- 4.0
FINANCE, INSURANCE, AND REAL ESTATE	7.3	7.2	7.1	.9	2.3
SERVICES	41.1	40.9	39.7	.6	3.6
GOVERNMENT	23.5	24.3	24.7	- 3.2	- 5.0
Local government (includes education)	17.6	18.5	19.0	- 4.7	- 7.4

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
JUNE 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	June 1983[b]	May 1983[c]	June 1982[c]	June 1983[b]	May 1983[c]	June 1982[c]	June 1983[b]	May 1983[c]	June 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$513.34	$527.88	$469.57	41.6	42.4	40.1	$12.34	$12.45	$11.71
Durable Goods[d]	525.00	543.56	484.81	41.7	42.8	40.3	12.59	12.70	12.03
Stone, clay, and glass products	371.16	365.63	323.70	40.3	39.4	39.0	9.21	9.28	8.30
Primary metal industries	516.38	502.20	510.78	39.6	38.9	39.2	13.04	12.91	13.03
Blast furnace and basic steel products	484.15	474.66	517.63	37.3	36.4	38.4	12.98	13.04	13.48
Fabricated metal products	561.99	565.90	459.82	42.9	43.1	39.1	13.10	13.13	11.76
Fabricated structural metal products	424.60	433.13	351.22	40.4	40.9	36.7	10.51	10.59	9.57
Machinery, except electrical	453.95	450.43	434.72	38.7	38.4	38.1	11.73	11.73	11.41
Metalworking machinery	473.80	459.36	449.80	40.6	39.6	39.7	11.67	11.60	11.33
Electric and electronic equipment	395.65	387.69	380.03	41.3	40.3	41.9	9.58	9.62	9.07
Transportation equipment	627.58	751.03	573.29	47.4	54.7	45.9	13.24	13.73	12.49
Nondurable Goods[e]	369.87	352.42	321.70	39.9	38.6	38.9	9.27	9.13	8.27
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	567.71	554.24	553.15	37.3	36.9	37.4	15.22	15.02	14.79
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	440.90	437.89	408.18	39.9	39.7	39.9	11.05	11.03	10.23
WHOLESALE TRADE	319.49	301.25	327.54	36.1	35.4	38.9	8.85	8.51	8.42
RETAIL TRADE[f]	165.09	161.48	157.47	29.8	29.2	29.6	5.54	5.53	5.32
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.--Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.--Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.--Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.--Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.--Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.--Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.--Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.--Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.--Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.--Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.--Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers.--Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.--Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.--Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.--Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

Ohio Labor Market Information
BUREAU OF EMPLOYMENT SERVICES
JOB SERVICE OF OHIO
RICHARD F. CELESTE, *Governor*
DR. ROBERTA STEINBACHER, *Administrator*

8/29/83 S 6270-1 a

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
JULY 1983

Unemployment in Ohio decreased from 672,000 in June to 579,000 in July, dropping the jobless rate to its lowest level in over a year and a half--10.9 percent. Total employment advanced to 4,723,000 in July. Seasonal layoffs in nonmanufacturing, however, lowered nonfarm payroll employment .9 percent, to 4,089,000.

Employment in Ohio's manufacturing industries slipped .3 percent from June, to 1,075,000 in July. Auto makers and suppliers of castings, stamped-metal parts, and wire reported short-term layoffs. Less business led to curtailments in electrical equipment, and in beverage production. Labor-management disputes were chiefly responsible for reduced employment in the production of office machines, and in commercial printing. Dispute settlements, however, restored employment in the production of refrigeration machinery, while food processing firms began adding temporary workers for their vegetable canning operations.

Nonmanufacturing employment in July totaled 3,014,000 statewide, 1.1 percent below the previous month. Most of the decline occurred in educational services--public and private--as schools and colleges released nonfaculty personnel at the close of the academic year. Seasonal factors also accounted for moderate slippage in retailing. Losses were tempered, however, by summer hiring among nonschool local government units, and by gains in construction, amusements, and health services.

Average weekly earnings of Ohio's factory production workers slipped nearly $6 from June's record level, to $432 in July. The average workweek, at 41.0 hours, was half an hour shorter. Overtime curtailments, coupled with the effects of vacation shutdowns, lowered earnings in the manufacture of motor vehicles and automotive components in July. Less overtime was also reported in the production of metal fasteners and beverages, and in meat processing. Stepped-up overtime, on the other hand, boosted earnings in petroleum refining, and in the manufacture of paper, dairy products, and communication equipment.

The number of jobless Ohioans decreased by some 67,000 between July 1982 and July 1983, lowering the unemployment rate from 12.2 to 10.9 percent. Nonfarm payrolls slipped 1.0 percent over the year, with manufacturing industries --notably, nonelectrical machinery and primary metals--accounting for over two-thirds of the job loss. Cutbacks in transportation-utilities, construction, and retailing lowered nonmanufacturing, despite continued growth among the service industries. Production workers in Ohio factories averaged nearly one hour more per week in July 1983 than in July 1982, as gross weekly earnings climbed $24 over the year.

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Akron's nonfarm payroll employment, at 249,200 in July, was 1,600 above June. The gain resulted from seasonal hiring in construction and services, and from settlement of a labor-management dispute in health services. Manufacturing rose 300, to 67,300 for the month. Average hourly earnings of factory production workers were on par with June, at $10.34 an hour. The average workweek, at 42.5 hours, was .2 hours longer in July.

Canton.--Workers on nonfarm payrolls in Canton totaled 148,500 in July, down 400 from June. Manufacturing was little changed for the month, at 46,400. Seasonal increases in construction were more than offset by declines in services and local schools. Hourly earnings of factory production workers rose 3¢, to $10.66 an hour. The average workweek, at 39.2 hours, was .6 hours shorter than in June.

Cincinnati.--Nonfarm establishments in Cincinnati employed 570,200 workers in July, down 6,200 from June. Nonmanufacturing accounted for the loss, due to seasonal cutbacks in retail trade and services, as well as layoffs of nonteaching personnel in education. A labor-management dispute in commercial printing lowered manufacturing by 600, to 144,300 for the month. The workweek of the average factory production worker, at 41.0 hours, was down .3 hours from the previous month, while gross earnings, at $10.12 per hour, were up slightly from June.

Cleveland.--Cleveland's nonagricultural wage and salary employment dropped 5,200 from June, to a total of 835,000 in July. Most of the loss occurred in nonmanufacturing, due to declines in seasonal industries. Manufacturing decreased 1,400 for the month, to 211,000 in July, with motor vehicles and metal stampings accounting for much of the loss. Earnings of factory production workers in July were $10.42 an hour, down 7¢ for the month. Their workweek averaged 40.7 hours, down .6 hours from June.

Columbus.--Nonagricultural payroll employment in the Columbus area decreased 5,900 from June, to 498,200 in July. Nonmanufacturing accounted for the loss, as public schools and colleges, services, and retail trade declined seasonally. Manufacturing, at 87,200, was unchanged for the month. Production workers in factories grossed $10.04 per hour, up 3¢ from the previous month. The average workweek was slightly shorter at 40.7 hours.

Dayton.--Nonfarm establishments in the Dayton area employed 330,100 wage and salary workers in July, down 6,900 from June. Losses in nonelectrical machinery--attributable to layoffs due to lack of orders, and to labor-management disputes--lowered manufacturing to 85,500 in July, 1,000 below the previous month. Seasonal factors accounted for the decline in nonmanufacturing. Hourly earnings of the average production worker, at $10.70, were up 14¢ from June. The average workweek, at 42.0 hours, was little changed for the month.

Toledo.--Toledo's nonagricultural wage and salary employment decreased 3,700 from June, to 279,400 in July. Furloughs of school employees for the summer months lowered nonmanufacturing. Manufacturing slipped 200, to 69,200 in July, due chiefly to losses in metal fabricating industries. The workweek for the average factory production worker, at 42.3 hours, was up slightly from June. Average hourly earnings, at $11.21, were up 7¢ from the previous month.

Youngstown-Warren.--July nonfarm wage and salary employment in the Youngstown-Warren area, at 182,800, was 400 below June. The decrease occurred in nonmanufacturing, mainly as a result of seasonal cutbacks in school employment. Manufacturing, on the other hand, rose 700 for the month, to 55,000 in July, due to widespread gains in durable goods. Production workers in factories grossed $12.45 per hour--up 12¢--for a workweek of 41.9 hours, up .5 hours from June.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 8-17-83

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)								
1972	248.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	600.6	895.6	509.8	355.7	293.1	203.1
1981	259.6	156.6	592.2	880.7	506.6	352.5	290.9	198.7
1982	250.8	149.7	575.5	847.5	497.9	337.0	282.2	182.2
1982								
July	248.4	151.2	573.5	850.7	493.6	333.9	277.7	182.5
August ..	248.3	150.5	574.2	846.7	494.4	332.2	278.9	178.6
September	253.0	150.3	580.3	846.0	497.3	338.9	285.2	182.4
October .	252.5	148.3	579.0	842.3	503.5	338.1	285.5	180.9
November.	251.7	147.9	576.9	840.5	503.8	335.7	284.6	177.3
December.	250.4	147.3	574.8	837.3	504.0	336.4	282.8	177.8
1983								
January .	243.4	144.5	561.1	815.6	491.5	330.3	277.4	175.6
February.	245.9	144.6	558.8	816.5	492.0	330.6	275.8	176.2
March ...	247.0	145.0	561.7	820.8	494.2	332.3	274.4	179.5
April ...	248.9	146.6	570.4	825.8	497.9	334.0	279.8	181.0
May	251.5	148.1	574.4	831.3	501.4	335.6	284.4	183.5
June	247.5	149.0	576.4	840.2	504.2	337.0	283.1	183.2
July	249.2	148.5	570.2	835.0	498.2	330.1	279.4	182.8
MANUFACTURING EMPLOYMENT (in thousands)								
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	81.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.6	79.9
1980	79.1	55.7	162.4	254.9	96.8	99.4	75.4	70.8
1981	75.7	54.8	157.3	246.8	93.1	97.8	74.6	67.3
1982	68.8	48.2	147.2	224.1	86.7	87.9	68.8	53.4
1982								
July	68.1	48.9	146.3	223.5	86.4	88.5	68.1	54.4
August ..	67.9	48.5	147.0	221.1	86.2	86.4	69.8	50.6
September	68.3	47.9	147.9	222.3	86.5	87.6	70.1	52.8
October .	67.4	45.8	147.0	216.1	86.3	85.8	67.4	51.4
November.	66.5	45.2	147.0	213.7	85.7	82.9	66.8	47.6
December.	65.3	44.7	145.0	210.3	84.6	83.4	65.4	48.6
1983								
January .	66.2	45.0	143.8	210.3	84.7	84.0	66.4	50.0
February.	67.1	45.3	142.6	210.5	85.8	84.7	65.5	50.9
March ...	67.0	45.2	142.7	210.7	85.9	85.1	62.7	53.7
April ...	67.3	45.3	143.8	210.8	86.6	85.8	66.2	54.3
May	67.2	45.7	143.6	211.4	86.9	86.2	68.3	54.6
June	67.0	46.4	145.0	212.4	87.2	86.5	69.4	54.3
July	67.3	46.4	144.3	211.0	87.2	85.5	69.2	55.0

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1972	53.5	42.2	110.7	188.7	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.7	39.6	103.5	161.8	61.3	64.4	49.2	50.8
1982	37.2	33.7	96.1	142.5	55.6	55.8	45.1	38.5
1982								
July	36.4	34.4	95.4	142.0	55.5	56.3	44.3	39.4
August ..	36.2	34.0	95.9	139.9	55.3	54.3	46.0	35.8
September	36.8	33.6	97.0	142.0	55.4	55.6	46.6	37.8
October .	36.2	31.8	96.4	136.6	55.0	54.1	44.2	36.6
November.	35.3	31.4	96.5	135.0	54.3	51.4	43.8	33.5
December.	34.5	30.8	94.5	132.1	53.4	52.1	42.5	34.3
1983								
January .	35.4	31.2	93.3	132.0	53.6	52.6	43.5	35.6
February.	36.2	31.5	92.2	132.4	54.6	53.3	42.7	36.4
March ...	36.2	31.6	92.4	132.7	54.7	53.7	40.0	39.0
April ...	36.7	31.6	93.3	133.2	55.4	54.4	43.5	39.6
May	36.7	32.0	93.1	134.2	55.7	54.8	45.5	40.1
June	36.4	32.7	94.1	135.2	56.1	55.1	46.5	40.0
July	36.6	32.7	93.5	133.6	55.9	53.9	46.2	40.6
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.8
1982	41.0	38.6	40.5	39.9	39.8	40.0	41.1	39.3
1982								
July	41.0	36.7	40.4	40.0	39.4	41.1	41.8	39.4
August ..	40.2	38.3	40.7	40.1	39.6	40.3	41.4	37.9
September	41.0	39.1	40.5	39.6	39.8	39.8	41.8	39.5
October .	40.5	38.3	40.2	39.2	39.7	39.3	41.3	39.3
November.	41.2	38.3	41.4	39.2	40.3	39.2	41.3	39.6
December.	41.6	39.1	41.5	39.9	40.5	40.3	41.1	40.3
1983								
January .	42.5	38.7	40.4	39.8	39.9	40.0	41.5	40.1
February.	42.5	38.6	40.4	39.8	40.0	40.2	41.6	40.6
March ...	43.3	39.1	40.8	40.1	40.4	40.8	42.0	41.1
April ...	42.5	39.5	40.8	40.4	40.2	41.1	42.5	41.3
May	42.6	38.9	40.8	40.6	40.3	41.1	42.7	42.4
June	42.3	39.8	41.3	41.3	40.8	42.0	42.2	41.4
July	42.5	39.2	41.0	40.7	40.7	42.0	42.3	41.9

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1972	$ 4.68	$ 4.48	$ 4.15	$ 4.50	$ 4.06	$ 4.74	$ 4.67	$ 4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1982	9.83	10.22	9.57	10.10	9.31	10.02	10.89	11.72
1982								
July	9.68	10.05	9.66	10.22	9.37	10.28	11.06	11.85
August ..	9.79	10.35	9.62	10.18	9.40	10.05	10.91	11.64
September	9.91	10.39	9.68	10.26	9.47	10.08	10.93	11.75
October .	9.92	10.46	9.65	10.15	9.49	10.01	11.01	11.58
November.	9.95	10.44	9.78	10.19	9.50	9.89	11.01	11.65
December.	10.06	10.52	9.84	10.26	9.57	10.05	11.00	12.01
1983								
January .	10.21	10.56	9.85	10.29	9.62	10.16	11.10	12.00
February.	10.21	10.62	9.93	10.28	9.70	10.23	11.12	12.22
March ...	10.34	10.41	10.01	10.25	9.76	10.31	10.99	12.21
April ...	10.24	10.39	10.06	10.31	9.87	10.35	11.14	12.22
May	10.35	10.53	10.10	10.42	9.90	10.47	11.29	12.45
June	10.34	10.63	10.11	10.49	10.01	10.56	11.14	12.33
July	10.34	10.66	10.12	10.42	10.04	10.70	11.21	12.45
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1972	$197.03	$181.89	$173.89	$190.35	$164.02	$201.45	$196.14	$201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	395.38	346.80	397.85	406.14	474.10
1982	403.03	394.49	387.59	402.99	370.54	400.80	447.58	460.60
1982								
July	396.88	368.84	390.26	408.80	369.18	422.51	462.31	466.89
August ..	393.56	396.41	391.53	408.22	372.24	405.02	451.67	441.16
September	406.31	406.25	392.04	406.30	376.91	401.18	456.87	464.13
October .	401.76	400.62	387.93	397.88	376.75	393.39	454.71	455.09
November.	409.94	399.85	404.89	399.45	382.85	387.69	454.71	461.34
December.	418.50	411.33	408.36	409.37	387.59	405.02	452.10	484.00
1983								
January .	433.93	408.67	397.94	409.54	383.84	406.40	460.65	481.20
February.	433.93	409.93	401.17	409.14	388.00	411.25	462.59	496.13
March ...	447.72	407.03	408.41	411.03	394.30	420.65	461.58	501.83
April ...	435.20	410.41	410.45	416.52	396.77	425.39	473.45	504.69
May	440.91	409.62	412.08	423.05	398.97	430.32	482.08	527.88
June	437.38	423.07	417.54	433.24	408.41	443.52	470.11	510.46
July	439.45	417.87	414.92	424.09	408.63	449.40	474.18	521.66

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]

(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
AKRON[b]					CANTON[c]				
1972	282.2	267.3	14.8	5.3	1972	165.6	155.3	10.3	6.2
1973	287.1	274.9	12.2	4.3	1973	171.2	163.1	8.1	4.7
1974	290.8	277.7	13.0	4.5	1974	175.6	167.5	8.1	4.6
1975	292.0	264.3	27.7	9.5	1975	174.7	158.0	16.7	9.6
1976	291.3	266.3	25.0	8.6	1976	174.4	158.6	15.8	9.1
1977	294.2	274.7	19.5	6.6	1977	175.9	163.1	12.9	7.3
1978	298.9	282.2	16.7	5.6	1978	179.9	170.0	9.9	5.5
1979	303.8	285.4	18.4	6.1	1979	184.3	173.7	10.6	5.7
1980	304.5	278.3	26.2	8.6	1980	187.7	170.9	16.8	8.9
1981	304.1	274.9	29.1	9.6	1981	188.4	170.1	18.2	9.7
1982	305.8	269.4	36.4	11.9	1982	192.5	165.1	27.4	14.3
1982					1982				
June	308.7	273.1	35.6	11.5	June	196.6	170.6	26.1	13.3
July	313.7	276.1	37.6	12.0	July	201.2	172.0	29.2	14.5
August	312.7	275.0	37.7	12.1	August	199.7	170.6	29.1	14.6
September ..	308.5	272.2	36.3	11.8	September ..	193.0	166.4	26.6	13.8
October	309.3	271.0	38.3	12.4	October	195.8	163.9	31.8	16.3
November ...	304.7	264.7	39.9	13.1	November ...	192.9	160.0	32.9	17.1
December ...	304.5	262.9	41.6	13.7	December ...	191.0	159.0	32.0	16.8
1983					1983				
January	296.9	252.3	44.6	15.0	January	187.4	153.9	33.5	17.9
February ...	297.1	254.7	42.5	14.3	February ...	186.5	154.0	32.5	17.4
March	301.8	261.4	40.4	13.4	March	189.0	157.9	31.1	16.5
April	306.7	267.5	39.2	12.8	April	191.6	161.7	29.9	15.6
May	311.6	271.5	40.1	12.9	May	194.6	164.2	30.3	15.6
June[p]	311.8	272.9	38.9	12.5	June[p]	196.4	167.6	28.8	14.7
CINCINNATI[d]					CLEVELAND[e]				
1972	561.0	529.0	32.0	5.7	1972	873.2	825.2	48.0	5.5
1973	572.0	543.0	29.0	5.1	1973	883.9	849.0	34.9	3.9
1974	595.3	569.8	25.5	4.3	1974	899.1	861.4	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	896.9	826.3	70.6	7.9
1976	604.8	566.6	38.2	6.3	1976	897.7	834.4	63.3	7.0
1977	623.4	588.7	34.7	5.6	1977	908.5	854.4	54.0	5.9
1978	648.3	615.8	32.5	5.0	1978	921.7	878.5	43.2	4.7
1979	663.4	628.1	35.3	5.3	1979	935.8	889.1	46.7	5.0
1980	676.2	628.6	47.5	7.0	1980	937.1	869.1	68.0	7.3
1981	678.5	619.3	59.1	8.7	1981	933.9	854.0	79.8	8.5
1982	682.0	610.4	71.6	10.5	1982	933.7	833.8	100.0	10.7
1982					1982				
June	700.2	627.0	73.2	10.5	June	963.3	858.4	104.9	10.9
July	698.6	625.4	73.3	10.5	July	967.4	862.9	104.5	10.8
August	696.2	624.3	71.8	10.3	August	963.1	855.8	107.3	11.1
September ..	684.5	617.2	67.3	9.8	September ..	934.4	833.4	100.9	10.8
October	690.0	614.8	75.2	10.9	October	939.9	829.2	110.7	11.8
November ...	677.5	602.5	75.0	11.1	November ...	926.6	811.3	115.3	12.4
December ...	673.3	598.8	74.5	11.1	December ...	921.5	807.1	114.3	12.4
1983					1983				
January	661.5	580.1	81.3	12.3	January	895.2	776.5	118.7	13.3
February ...	655.9	577.2	78.7	12.0	February ...	893.4	776.7	116.7	13.1
March	667.8	590.2	77.6	11.6	March	913.3	797.9	115.5	12.6
April	674.9	604.1	70.8	10.5	April	923.2	813.0	110.2	11.9
May	683.3	609.9	73.4	10.7	May	935.7	821.5	114.1	12.2
June[p]	INA	INA	INA	INA	June[p]	959.0	841.7	117.3	12.2

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary. INA—Information not available.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
COLUMBUS[f]					DAYTON[g]				
1972	469.1	450.2	18.9	4.0	1972	353.5	336.2	17.3	4.9
1973	485.5	468.3	17.1	3.5	1973	358.0	343.5	14.5	4.1
1974	495.4	475.5	19.9	4.0	1974	359.5	342.5	17.0	4.7
1975	495.0	458.6	36.5	7.4	1975	357.6	327.7	29.9	8.4
1976	503.6	468.5	35.1	7.0	1976	360.5	336.3	24.2	6.7
1977	513.4	483.3	30.1	5.9	1977	368.6	348.3	20.3	5.5
1978	531.4	506.5	24.9	4.7	1978	381.1	363.7	17.3	4.6
1979	543.0	517.1	25.8	4.8	1979	392.2	367.9	24.2	6.2
1980	554.7	523.4	31.4	5.7	1980	390.2	361.0	29.2	7.5
1981	562.4	519.1	43.3	7.7	1981	390.8	357.9	32.8	8.4
1982	568.8	518.0	50.8	8.9	1982	391.1	347.0	44.2	11.3
1982					1982				
June	584.7	531.7	52.9	9.1	June	401.2	354.8	46.4	11.6
July	582.9	[illegible]	52.1	8.9	July	400.1	355.1	45.0	11.2
August	582.4	[illegible]	53.1	9.1	August	396.3	351.7	44.6	11.3
September ..	568.2	518.8	49.4	8.7	September ..	391.7	349.6	42.1	10.7
October	574.9	523.8	51.2	8.9	October	393.4	348.3	45.2	11.5
November ...	567.1	513.4	53.6	9.5	November ...	386.5	338.7	47.8	12.4
December ...	564.0	512.3	51.8	9.2	December ...	385.3	338.5	46.8	12.1
1983					1983				
January	548.2	492.8	55.4	10.1	January	375.8	327.8	47.9	12.8
February ...	547.5	493.6	53.9	9.9	February ...	374.6	328.3	46.3	12.4
March	561.1	507.3	53.8	9.6	March	381.7	337.5	44.2	11.6
April	570.5	517.7	52.8	9.3	April	386.2	343.8	42.3	11.0
May	577.9	524.0	53.9	9.3	May	388.9	347.4	41.5	10.7
June[p]	593.2	536.0	57.3	9.7	June[p]	397.6	354.3	43.3	10.9
TOLEDO[h]					YOUNGSTOWN-WARREN[i]				
1972	329.4	311.3	18.1	5.5	1972	226.9	212.1	14.8	6.5
1973	339.8	324.2	15.6	4.6	1973	232.5	221.8	10.8	4.6
1974	343.8	324.2	19.7	5.7	1974	236.7	223.7	13.0	5.5
1975	344.8	310.2	34.6	10.0	1975	236.7	209.8	26.9	11.4
1976	347.8	319.4	28.4	8.2	1976	234.2	210.5	23.7	10.1
1977	355.0	329.4	25.6	7.2	1977	234.0	215.0	19.0	8.1
1978	362.1	339.7	22.4	6.2	1978	235.2	217.5	17.7	7.5
1979	368.2	341.7	26.4	7.2	1979	237.1	219.9	17.1	7.2
1980	368.2	329.8	38.4	10.4	1980	238.9	210.5	28.4	11.9
1981	367.4	328.0	39.4	10.7	1981	234.0	205.7	28.2	12.1
1982	368.7	322.7	46.1	12.5	1982	237.7	191.5	46.2	19.4
1982					1982				
June	377.9	333.0	44.9	11.9	June	244.4	199.0	45.4	18.6
July	376.7	329.8	46.9	12.5	July	242.8	197.9	44.9	18.5
August	374.0	329.1	44.9	12.0	August	245.6	193.4	51.2	21.2
September ..	371.8	327.0	44.8	12.1	September ..	238.0	192.3	45.7	19.2
October	374.3	326.6	47.7	12.8	October	239.2	190.6	48.5	20.3
November ...	367.5	318.9	48.6	13.2	November ...	237.7	183.0	54.7	23.0
December ...	368.8	316.2	52.6	14.3	December ...	234.2	183.1	51.1	21.8
1983					1983				
January	359.5	307.3	52.2	14.5	January	226.6	178.1	48.4	21.4
February ...	360.3	306.6	53.7	14.9	February ...	223.8	178.7	45.1	20.1
March	366.0	311.0	55.0	15.0	March	227.9	186.2	41.7	18.3
April	368.7	320.7	47.9	13.0	April	229.9	190.3	39.5	17.2
May	378.5	328.3	50.2	13.3	May	234.3	193.8	40.5	17.3
June[p]	INA	INA	INA	INA	June[p]	237.7	197.3	40.4	17.0

---

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Defined as Mahoning and Trumbull Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1972	4,510	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,087	4,660	426	8.4	7.1
1981	5,099	4,607	492	9.6	7.6
1982	5,122	4,481	640	12.5	9.7
1982					
July	5,274	4,628	646	12.2	9.8
August ..	5,249	4,590	659	12.5	9.6
September	5,136	4,505	631	12.3	9.7
October .	5,177	4,494	683	13.2	9.9
November.	5,088	4,378	710	14.0	10.4
December.	5,058	4,344	714	14.1	10.5
1983					
January .	4,942	4,204	738	14.9	11.4
February.	4,925	4,212	713	14.5	11.3
March ...	5,027	4,339	688	13.7	10.8
April ...	5,088	4,435	653	12.8	10.0
May	5,166	4,502	664	12.9	9.8
June	5,267	4,595	672	12.8	10.2
July	5,302	4,723	579	10.9	9.4

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.3	3,103.0
1981	4,317.6	1,232.6	3,085.1
1982	4,138.7	1,103.6	3,035.1
1982			
July	4,131.3	1,104.6	3,026.7
August ..	4,116.7	1,093.2	3,023.5
September	4,153.3	1,100.5	3,052.8
October .	4,139.2	1,073.5	3,065.7
November.	4,121.4	1,056.9	3,064.5
December.	4,102.5	1,043.9	3,058.6
1983			
January .	4,012.3	1,051.7	2,960.6
February.	4,015.0	1,056.2	2,958.8
March ...	4,036.2	1,059.4	2,976.8
April ...	4,076.0	1,069.4	3,006.6
May	4,114.2	1,074.8	3,039.4
June	4,127.4	1,078.7	3,048.7
July	4,089.2	1,075.4	3,013.8

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.6	726.6	203.8	830.9	689.9
1981	30.7	153.7	217.2	232.5	717.7	205.8	851.5	676.0
1982	30.7	135.5	207.6	229.3	707.3	206.4	859.7	658.6
1982								
July	31.1	146.1	209.9	229.7	710.8	208.9	867.5	622.8
August ..	30.1	147.7	209.3	229.4	712.5	208.4	869.2	616.8
September	31.0	147.3	208.4	229.1	715.0	207.2	874.8	640.0
October .	30.3	147.2	206.1	229.4	710.7	206.5	871.4	664.1
November.	30.3	142.2	204.6	229.0	718.4	206.8	865.8	667.3
December.	29.0	129.5	203.6	229.0	730.4	207.3	861.7	668.2
1983								
January .	28.6	112.8	195.5	226.3	687.3	205.8	847.0	657.3
February.	28.1	108.8	194.7	225.3	675.0	205.5	853.5	668.0
March ...	27.3	112.7	195.0	226.1	680.4	205.8	859.6	669.9
April ...	27.2	118.8	196.0	226.9	692.0	206.7	872.5	666.6
May	27.6	126.6	197.7	227.3	702.6	207.5	880.2	669.9
June	29.3	133.0	198.9	228.2	706.4	209.7	889.3	653.8
July	29.7	137.9	198.3	227.9	703.0	210.8	884.2	622.0

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures. All data exclude military personnel.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1972	1,346.8	948.8	398.0	979.2	$181.3	40.7
1973	1,426.3	1,018.2	408.1	1,046.7	210.8	44.3
1974	1,416.6	1,013.1	403.5	1,028.7	217.4	42.4
1975	1,267.5	892.4	375.1	897.8	201.5	36.2
1976	1,295.3	910.6	384.6	926.1	233.9	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.3	882.6	381.8	867.8	301.9	35.2
1981	1,232.6	860.4	372.2	847.7	330.4	34.7
1982	1,103.6	755.4	348.3	738.1	298.0	29.6
1982						
July	1,104.6	756.9	347.6	738.6	301.2	29.6
August ..	1,093.2	743.3	349.9	728.4	294.6	29.1
September	1,100.5	748.3	352.2	736.6	302.5	29.7
October .	1,073.5	728.5	345.0	712.1	288.1	28.4
November.	1,056.9	713.1	343.8	698.2	285.5	28.1
December.	1,043.9	701.7	342.2	687.1	286.7	28.0
1983						
January .	1,051.7	712.5	339.2	695.0	288.5	28.0
February.	1,056.2	715.7	340.5	700.2	293.6	28.3
March ...	1,059.4	719.1	340.3	703.7	298.6	28.7
April ...	1,069.4	728.0	341.5	713.7	306.8	29.3
May	1,074.8	733.1	341.7	719.6	310.8	29.6
June	1,078.7	734.6	344.1	723.6	316.8	30.0
July	1,075.4	731.7	343.6	720.0	311.2	29.5

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1972	$185.12	$190.19	$172.60	41.6	41.8	40.9	$4.45	$4.55	$4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1982	403.81	414.80	378.95	40.1	40.0	40.4	10.07	10.37	9.38
1982									
July	407.82	419.60	379.22	40.1	40.0	40.3	10.17	10.49	9.41
August ..	404.40	415.51	379.89	40.0	39.8	40.5	10.11	10.44	9.38
September	410.66	421.60	385.28	40.3	40.0	40.9	10.19	10.54	9.42
October .	404.59	416.31	378.95	39.9	39.8	40.1	10.14	10.46	9.45
November.	408.83	418.80	387.06	40.2	40.0	40.7	10.17	10.47	9.51
December.	417.18	429.14	390.46	40.7	40.6	40.8	10.25	10.57	9.57
1983									
January .	415.09	427.99	387.03	40.3	40.3	40.4	10.30	10.62	9.58
February.	419.35	433.76	386.72	40.4	40.5	40.2	10.38	10.71	9.62
March ...	424.32	437.38	393.01	40.8	40.8	40.6	10.40	10.72	9.68
April ...	429.91	444.14	397.96	41.1	41.2	40.9	10.46	10.78	9.73
May	431.96	447.69	397.80	41.1	41.3	40.8	10.51	10.84	9.75
June	437.83	452.61	402.11	41.5	41.6	41.2	10.55	10.88	9.76
July	432.14	445.67	403.19	41.0	41.0	41.1	10.54	10.87	9.81

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.7	67.4	92.7
1981	61.0	138.3	154.9	204.2	101.9	136.9	69.2	66.1	89.0
1982	54.1	113.3	135.0	179.3	93.2	122.0	66.9	63.2	80.7
1982									
July	55.5	113.8	133.9	176.6	94.1	124.5	67.0	62.6	81.0
August ..	54.7	112.6	131.9	175.3	92.6	117.1	69.7	62.3	80.6
September	55.0	111.4	133.0	174.1	92.0	123.3	70.9	62.3	80.7
October .	54.6	104.2	129.5	168.9	90.8	121.6	67.7	62.0	78.0
November.	53.1	100.8	128.0	166.1	90.1	117.5	66.6	62.2	78.3
December.	50.3	98.1	127.0	163.4	85.6	120.5	66.3	61.8	77.6
1983									
January .	50.2	100.2	128.3	163.2	89.5	125.1	63.9	61.6	78.0
February.	50.4	102.6	130.1	161.7	88.7	126.1	64.3	61.7	79.3
March ...	50.8	105.4	129.5	160.6	87.9	127.9	64.0	61.8	79.3
April ...	52.4	105.9	130.5	160.3	90.2	130.9	63.7	61.7	80.3
May	52.9	105.5	131.6	161.4	90.7	132.9	63.5	61.7	80.8
June	53.0	105.9	132.3	159.3	90.4	134.4	64.5	61.6	81.6
July	53.3	104.8	132.2	159.0	90.1	133.4	64.1	61.2	82.2
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1972	$175.14	$204.61	$187.87	$193.46	$164.42	$219.99	$173.43	$187.21	$180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	358.45	381.11
1982									
July	380.14	488.71	405.73	390.04	358.75	528.24	385.02	351.50	385.70
August ..	380.83	496.98	399.35	391.24	365.98	502.18	389.06	351.22	385.15
September	393.65	492.35	401.32	394.18	364.94	528.58	400.26	357.27	380.57
October .	386.78	477.98	401.37	399.78	374.46	502.94	387.28	355.15	368.54
November.	387.69	478.37	407.42	393.39	374.14	518.13	393.71	364.65	380.70
December.	391.35	488.67	420.65	405.42	383.60	526.87	402.66	374.74	388.69
1983									
January .	385.01	486.16	427.00	401.37	380.09	517.33	391.68	370.02	392.22
February.	381.35	500.47	433.78	405.38	379.20	529.44	384.87	362.96	397.57
March ...	387.32	487.71	441.56	407.82	380.25	543.26	389.50	371.14	406.27
April ...	388.95	497.68	451.26	411.25	384.40	549.25	396.47	369.64	411.83
May	397.85	493.96	452.28	417.91	384.96	560.33	401.58	367.52	413.10
June	400.20	496.11	463.86	424.91	392.85	563.82	408.53	371.51	414.62
July	405.98	496.50	453.53	418.64	388.17	539.32	414.96	365.06	410.76

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
JULY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1983[b]	June 1983[c]	July 1982[c]	June 1983	July 1982
TOTAL	4089.2	4127.4	4131.3	-.9	-1.0
MANUFACTURING	1075.4	1078.7	1104.6	-.3	-2.6
Durable Goods[e]	731.7	734.6	756.9	-.4	-3.3
Lumber and wood products	12.9	12.7	12.5	1.7	3.6
Furniture and fixtures	13.5	13.6	13.5	-1.3	-.4
Household furniture	6.1	6.3	6.1	-3.9	.0
Stone, clay, and glass products	53.3	53.0	55.5	.5	-3.9
Glass and glassware, pressed or blown	14.0	14.1	14.8	-.7	-5.0
Structural clay products	5.3	5.1	4.9	2.7	8.5
Pottery and related products	5.5	5.6	5.7	-1.2	-3.3
Primary metal industries	104.8	105.9	113.8	-1.0	-7.8
Blast furnace and basic steel products	52.2	52.4	57.7	-.4	-9.5
Iron and steel foundries	20.6	21.1	23.6	-2.3	-12.6
Nonferrous rolling and drawing	18.2	18.3	18.0	-.8	1.0
Nonferrous foundries	8.4	8.6	8.6	-2.2	-2.5
Fabricated metal products	132.2	132.3	133.9	-.1	-1.3
Cutlery, hand tools, and hardware	11.5	11.5	10.7	.1	8.1
Plumbing and heating, except electric	4.0	4.2	4.6	-4.6	-13.5
Fabricated structural metal products	30.6	30.4	32.1	.7	-4.7
Screw machine products, bolts, etc.	8.7	8.7	9.0	.4	-3.3
Metal forgings and stampings	38.7	38.9	37.7	-.5	2.7
Machinery, except electrical	159.0	159.3	176.6	-.2	-10.0
Construction and related machinery	18.0	18.0	20.8	.1	-13.3
Metalworking machinery	38.9	39.3	46.1	-.9	-15.7
Special industry machinery	17.2	17.1	18.5	.6	-7.2
General industrial machinery	32.0	31.8	34.8	.6	-8.0
Electric and electronic equipment	90.1	90.4	94.1	-.4	-4.3
Electrical industrial apparatus	18.7	19.0	21.1	-1.3	-11.2
Household appliances	15.9	15.9	15.7	-.1	1.1
Electric lighting and wiring equipment	17.8	18.0	18.6	-.8	-4.2
Communication equipment	10.4	10.4	10.7	.5	-2.9
Transportation equipment	133.4	134.4	124.5	-.8	7.1
Motor vehicles and equipment	87.7	88.8	80.5	-1.2	9.0
Aircraft and parts	37.6	37.1	35.7	1.4	5.3
Instruments and related products	19.5	19.6	19.7	-.4	-.7
Measuring and controlling devices	11.9	11.9	11.9	.1	.4
Nondurable Goods[f]	343.6	344.1	347.6	-.1	-1.1
Food and kindred products	64.1	64.5	67.0	-.6	-4.3
Meat products	10.0	9.9	11.3	.9	-12.2
Dairy products	11.0	11.1	11.2	-.9	-2.5
Bakery products	10.0	10.1	10.6	-1.1	-5.4
Beverages	10.4	10.7	10.6	-2.6	-2.1
Textile mill products	4.3	4.3	4.2	.6	1.8
Apparel and other textile products	17.0	17.0	16.4	.2	3.6
Paper and allied products	34.8	35.0	35.2	-.7	-1.1
Paper mills, except building paper	9.0	9.0	9.0	.0	-.3
Misc. converted paper products	11.3	11.3	11.3	-.1	-.3
Paperboard containers and boxes	11.5	11.7	11.6	-1.8	-.7
Printing and publishing	61.2	61.6	62.6	-.6	-2.3
Newspapers	18.4	18.3	18.4	.6	-.2
Commercial printing	21.5	22.0	22.7	-2.4	-5.2
Chemicals and allied products	64.2	64.5	65.6	-.5	-2.1
Industrial inorganic chemicals	11.6	11.9	12.3	-1.9	-5.3
Plastics materials and synthetics	8.9	8.9	9.1	.4	-1.8
Petroleum and coal products	10.0	9.9	9.8	.6	2.6
Rubber and misc. plastics products	82.2	81.6	81.0	.7	1.5
Tires and inner tubes	20.7	20.7	21.6	.1	-4.1
Miscellaneous plastics products	42.2	41.8	40.4	1.1	4.6
Leather and leather products	5.7	5.5	5.7	4.2	.5

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
JULY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1983[b]	June 1983[c]	July 1982[c]	July 1983[b]	June 1983[c]	July 1982[c]	July 1983[b]	June 1983[c]	July 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$432.14	$437.83	$407.82	41.0	41.5	40.1	$10.54	$10.55	$10.17
Durable Goods[d]	445.67	452.61	419.60	41.0	41.6	40.0	10.87	10.88	10.49
Lumber and wood products	300.62	294.59	281.78	40.9	40.3	38.6	7.35	7.31	7.30
Furniture and fixtures	306.43	313.24	288.42	39.9	41.0	38.0	7.68	7.64	7.59
Household furniture	268.41	275.52	253.55	38.9	39.7	37.9	6.90	6.94	6.69
Stone, clay, and glass products	405.98	400.20	380.14	41.3	41.3	40.7	9.83	9.69	9.34
Glass and glassware, pressed or blown.	423.74	424.60	380.63	39.9	40.4	38.8	10.62	10.51	9.81
Structural clay products	303.23	305.56	282.21	41.2	41.8	40.9	7.36	7.31	6.90
Pottery and related products	328.90	324.90	287.79	38.2	38.0	36.2	8.61	8.55	7.95
Primary metal industries	496.50	496.11	488.71	40.3	40.4	39.7	12.32	12.28	12.31
Blast furnace and basic steel products	506.18	503.72	510.13	39.3	39.2	38.5	12.88	12.85	13.25
Iron and steel foundries	498.73	484.33	483.39	41.7	40.7	41.0	11.96	11.90	11.79
Nonferrous rolling and drawing	518.46	533.76	480.98	40.6	41.7	39.2	12.77	12.80	12.27
Nonferrous foundries	387.90	396.53	358.18	41.8	42.5	41.6	9.28	9.33	8.61
Fabricated metal products	453.53	463.86	405.73	41.8	42.4	39.7	10.85	10.94	10.22
Cutlery, hand tools, and hardware	459.10	482.16	392.16	40.7	42.0	38.0	11.28	11.48	10.32
Plumbing and heating, except electric.	320.49	332.20	333.23	38.8	39.5	37.4	8.26	8.41	8.91
Fabricated structural metal products .	407.00	409.85	364.95	40.7	40.7	39.2	10.00	10.07	9.31
Screw machine products, bolts, etc. ..	364.06	383.35	330.37	39.4	41.0	37.8	9.24	9.35	8.74
Metal forgings and stampings	549.48	565.27	497.67	43.3	44.3	41.3	12.69	12.76	12.05
Machinery, except electrical	418.64	424.91	390.04	40.1	40.7	39.2	10.44	10.44	9.95
Construction and related machinery	402.88	412.06	374.74	37.9	38.8	37.7	10.63	10.62	9.94
Metalworking machinery	399.51	393.47	373.38	38.6	38.5	38.1	10.35	10.22	9.80
Special industry machinery	404.50	408.20	384.81	40.9	41.4	41.2	9.89	9.86	9.34
General industrial machinery	407.15	415.14	380.85	39.8	40.7	38.2	10.23	10.20	9.97
Electric and electronic equipment	388.17	392.85	358.75	40.1	40.5	38.7	9.68	9.70	9.27
Electrical industrial apparatus	358.05	359.68	342.85	38.5	38.8	37.8	9.30	9.27	9.07
Household appliances	416.77	409.66	353.25	40.9	40.4	37.5	10.19	10.14	9.42
Electric lighting and wiring equipment	374.94	395.43	355.39	40.1	41.8	39.4	9.35	9.46	9.02
Communication equipment	450.89	433.37	397.79	42.1	41.0	39.7	10.71	10.57	10.02
Transportation equipment	539.32	563.82	528.24	42.6	44.5	42.6	12.66	12.67	12.40
Motor vehicles and equipment	560.73	596.45	558.14	43.1	45.6	43.3	13.01	13.08	12.89
Aircraft and parts	491.78	481.07	452.97	41.5	41.4	40.3	11.85	11.62	11.24
Instruments and related products	303.77	300.93	282.85	39.4	39.7	38.8	7.71	7.58	7.29
Measuring and controlling devices	301.09	296.01	271.94	38.7	39.0	37.1	7.78	7.59	7.33
Nondurable Goods[e]	403.19	402.11	379.22	41.1	41.2	40.3	9.81	9.76	9.41
Food and kindred products	414.96	408.53	385.02	42.3	41.9	40.7	9.81	9.75	9.46
Meat products	405.98	412.02	413.03	41.3	42.0	40.1	9.83	9.81	10.30
Dairy products	422.42	401.07	388.89	44.7	43.5	43.5	9.45	9.22	8.94
Bakery products	420.04	421.25	372.96	40.9	40.7	39.3	10.27	10.35	9.49
Beverages	363.29	373.11	324.26	40.5	40.6	37.4	8.97	9.19	8.67
Textile mill products	295.07	304.83	254.93	40.2	41.7	37.6	7.34	7.31	6.78
Apparel and other textile products	231.75	229.02	216.75	37.5	37.3	36.8	6.18	6.14	5.89
Paper and allied products	434.49	422.14	394.94	44.2	43.7	43.4	9.83	9.66	9.10
Paper mills, except building paper	540.22	508.56	511.24	48.8	46.7	49.3	11.07	10.89	10.37
Misc. converted paper products	387.34	377.69	347.75	42.8	42.2	41.3	9.05	8.95	8.42
Paperboard containers and boxes	388.92	387.11	353.56	42.0	42.4	41.4	9.26	9.13	8.54
Printing and publishing	365.06	371.51	351.50	37.1	37.3	37.0	9.84	9.96	9.50
Newspapers	315.20	320.09	305.66	32.0	32.3	31.0	9.85	9.91	9.86
Commercial printing	381.75	390.17	369.76	38.6	38.9	38.8	9.89	10.03	9.53
Chemicals and allied products	450.58	452.09	422.09	41.3	41.4	41.3	10.91	10.92	10.22
Industrial inorganic chemicals	480.57	475.36	447.62	41.5	41.3	41.6	11.58	11.51	10.76
Plastics materials and synthetics	500.96	493.78	464.28	43.6	43.2	43.8	11.49	11.43	10.60
Petroleum and coal products	610.84	584.77	563.76	43.6	42.1	43.2	14.01	13.89	13.05
Rubber and misc. plastics products	410.76	414.62	385.70	42.0	42.7	40.6	9.78	9.71	9.50
Tires and inner tubes	538.75	544.00	505.82	43.1	43.8	41.7	12.50	12.42	12.13
Miscellaneous plastics products	399.90	404.70	371.73	41.7	42.6	40.1	9.59	9.50	9.27
Leather and leather products	213.01	208.21	192.70	38.8	38.7	37.2	5.49	5.38	5.18

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
JULY 1983 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1983[b]	June 1983[c]	July 1982[c]	June 1983	July 1982
NONMANUFACTURING	3013.8	3048.7	3026.7	- 1.1	- .4
MINING	29.7	29.3	31.1	1.1	- 4.5
Bituminous coal and lignite mining	11.6	11.6	13.5	.1	- 14.3
CONSTRUCTION	137.9	133.0	146.1	3.7	- 5.6
General building contractors	32.7	30.9	34.9	5.8	- 6.1
Heavy construction contractors	22.9	22.0	26.8	4.2	- 14.4
TRANSPORTATION AND PUBLIC UTILITIES	198.3	198.9	209.9	- .3	- 5.5
Railroad transportation	21.0	21.0	24.0	- .2	- 12.5
Transportation, except railroads	85.7	86.0	88.3	- .4	- 3.0
Trucking and warehousing	60.5	61.0	63.8	- .9	- 5.2
Communication, electric, gas services	91.7	91.8	97.6	- .2	- 6.0
Communication	51.2	51.4	55.2	- .4	- 7.2
Electric, gas, and sanitary services	40.5	40.4	42.4	.1	- 4.6
WHOLESALE TRADE	227.9	228.2	229.7	- .1	- .8
Wholesale trade-durable goods	143.6	143.8	145.9	- .2	- 1.6
Motor vehicles & automotive equipment	20.9	20.9	20.9	.3	.1
Electrical goods	18.8	18.9	19.0	- .4	- 1.1
Machinery, equipment, and supplies	61.7	61.6	62.2	.1	- .8
Wholesale trade-nondurable goods	84.3	84.4	83.8	- .1	.7
Groceries and related products	26.0	26.0	25.5	.0	2.2
RETAIL TRADE	703.0	706.4	710.8	- .5	- 1.1
General merchandise stores	107.4	107.3	112.0	.0	- 4.2
Department stores	98.2	98.0	102.3	.2	- 4.1
Food stores	117.1	116.8	116.9	.2	.2
Automotive dealers & service stations	76.1	76.2	77.6	- .2	- 2.0
Apparel and accessory stores	31.7	32.0	32.8	- 1.0	- 3.4
FINANCE, INSURANCE, AND REAL ESTATE	210.8	209.7	208.9	.5	.9
Banking	58.7	58.4	59.9	.4	- 2.0
Credit agencies other than banks	31.0	30.8	29.9	.7	3.6
Insurance carriers	59.5	59.5	59.8	.1	- .4
SERVICES	884.2	889.3	867.5	- .6	1.9
Hotels and other lodging places	30.7	30.6	31.3	.5	- 1.7
Laundry, cleaning, & garment services	16.3	16.5	16.7	- 1.3	- 3.0
Business services	122.9	122.6	122.3	.3	.5
Health services	327.7	324.4	315.6	1.0	3.8
Hospitals	178.7	176.5	174.5	1.2	2.4
GOVERNMENT	622.0	653.8	622.8	- 4.9	- .1
Federal government	89.4	88.8	90.0	.6	- .7
State government	122.8	135.3	124.6	- 9.2	- 1.4
State government, except education	71.7	71.5	71.8	.2	- .1
State government education[i]	51.2	63.8	52.8	- 19.7	- 3.1
Local government	409.8	429.7	408.3	- 4.6	.4
Local government, except education	198.2	191.4	194.8	3.5	1.7
Local government education	211.6	238.3	213.5	- 11.2	- .9

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
JULY 1983 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1983[b]	June 1983[c]	July 1982[c]	July 1983[b]	June 1983[c]	July 1982[c]	July 1983[b]	June 1983[c]	July 1982[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$466.13	$458.11	$445.98	43.2	43.3	42.8	$10.79	$10.58	$10.42
Bituminous coal and lignite mining	586.87	564.28	525.57	42.9	42.3	40.9	13.66	13.34	12.85
CONSTRUCTION	583.28	571.16	554.15	37.9	37.7	37.8	15.39	15.15	14.66
General building contractors	518.14	505.81	498.39	36.8	36.6	37.0	14.08	13.82	13.47
Heavy construction contractors	584.21	566.65	593.60	39.5	38.6	40.0	14.79	14.68	14.84
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	459.91	471.48	453.70	37.0	37.9	36.5	12.43	12.44	12.43
Communication, electric, gas services	458.28	451.60	419.85	40.2	40.0	40.1	11.40	11.29	10.47
Communication	450.47	447.02	404.00	39.9	39.7	39.3	11.29	11.26	10.28
Electric, gas, and sanitary services	470.09	457.33	440.18	40.7	40.4	41.1	11.55	11.32	10.71
WHOLESALE TRADE	332.20	328.89	313.56	39.5	39.2	39.0	8.41	8.39	8.04
Wholesale trade–durable goods	321.90	321.50	305.76	39.4	39.4	39.1	8.17	8.16	7.82
Motor vehicles & automotive equipment	279.27	282.34	262.87	38.1	38.0	38.6	7.33	7.43	6.81
Electrical goods	264.60	263.41	252.89	37.8	37.9	37.3	7.00	6.95	6.78
Machinery, equipment, and supplies	363.01	359.20	333.66	40.2	40.0	39.3	9.03	8.98	8.49
Wholesale trade–nondurable goods	348.79	341.93	328.71	39.5	38.9	38.9	8.83	8.79	8.45
Groceries and related products	374.64	372.32	361.05	42.0	41.6	41.5	8.92	8.95	8.70
RETAIL TRADE[f]	164.53	162.06	155.70	30.3	29.9	29.6	5.43	5.42	5.26
General merchandise stores	167.63	165.47	159.52	31.1	30.7	30.5	5.39	5.39	5.23
Department stores	171.13	169.02	161.87	31.4	30.9	30.6	5.45	5.47	5.29
Food stores	227.65	227.91	227.29	32.2	32.1	31.7	7.07	7.10	7.17
Automotive dealers & service stations	216.23	215.12	199.09	36.9	36.4	36.8	5.86	5.91	5.41
Apparel and accessory stores	116.67	115.36	114.11	26.1	26.1	27.3	4.47	4.42	4.18
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	217.18	215.56	203.36	....	....	....	....	....	....
Credit agencies other than banks	211.89	206.98	201.59	....	....	....	....	....	....
Insurance carriers	288.43	287.42	275.04	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	282.98	279.62	268.57	34.3	34.1	34.3	8.25	8.20	7.83
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
JULY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1983[b]	June 1983[c]	July 1982[c]	June 1983	July 1982
TOTAL	249.2	247.5	248.4	.7	.3
MANUFACTURING	67.3	67.0	68.1	.4	- 1.2
Durable Goods[e]	33.7	33.6	33.8	.4	- .1
Stone, clay, and glass products	2.0	2.0	1.7	1.5	18.4
Fabricated metal products	12.1	12.2	12.5	- .6	- 3.2
Machinery, except electrical	9.2	9.0	9.3	1.6	- 1.1
Special industry machinery	1.6	1.5	2.0	2.2	- 22.1
Nondurable Goods[f]	33.6	33.4	34.4	.5	- 2.3
Food and kindred products	2.5	2.5	2.6	1.1	- 2.9
Chemicals and allied products	2.9	3.0	3.2	- 1.7	- 8.6
Rubber and misc. plastics products	23.0	23.0	23.7	.3	- 2.6
Tires and inner tubes	16.6	16.6	17.6	.0	- 5.6
NONMANUFACTURING[g]	181.9	180.5	180.3	.7	.9
CONSTRUCTION	7.9	7.4	8.1	6.2	- 2.3
TRANSPORTATION AND PUBLIC UTILITIES	12.9	12.8	13.3	.4	- 3.2
Communication, electric, gas services	5.4	5.4	5.6	.3	- 3.6
WHOLESALE TRADE	12.5	12.5	12.5	.2	.3
RETAIL TRADE	46.5	46.6	46.2	- .2	.8
FINANCE, INSURANCE, AND REAL ESTATE	9.4	9.3	9.4	.8	- .4
SERVICES	55.3	54.3	53.7	1.9	3.1
GOVERNMENT	36.7	36.9	36.5	- .5	.7
State government (includes education)	9.7	8.9	9.6	8.8	.4
Local government (includes education)	24.9	26.0	24.8	- 3.9	.8

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
JULY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1983[b]	June 1983[c]	July 1982[c]	July 1983[b]	June 1983[c]	July 1982[c]	July 1983[b]	June 1983[c]	July 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$439.45	$437.38	$396.88	42.5	42.3	41.0	$10.34	$10.34	$ 9.68
Durable Goods[d]	444.08	438.46	386.92	42.7	42.2	40.6	10.40	10.39	9.53
Stone, clay, and glass products	403.94	408.93	375.00	42.7	43.0	41.3	9.46	9.51	9.08
Fabricated metal products	494.04	497.57	393.22	42.7	42.6	39.8	11.57	11.68	9.88
Machinery, except electrical	406.50	406.93	367.61	42.7	42.7	40.8	9.52	9.53	9.01
Special industry machinery	430.70	416.75	343.42	43.2	41.8	38.5	9.97	9.97	8.92
Nondurable Goods[e]	434.00	437.50	409.61	42.3	42.6	41.5	10.26	10.27	9.87
Food and kindred products	454.72	460.67	436.95	44.8	44.9	45.0	10.15	10.26	9.71
Chemicals and allied products	471.23	441.60	434.10	42.8	40.7	41.7	11.01	10.85	10.41
Rubber and misc. plastics products	456.23	471.08	426.96	43.0	44.4	41.9	10.61	10.61	10.19
Tires and inner tubes	589.95	600.76	538.45	45.0	46.0	42.7	13.11	13.06	12.61
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	557.89	564.29	516.00	36.8	37.1	36.7	15.16	15.21	14.06
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	465.52	452.73	422.01	40.2	40.1	39.7	11.58	11.29	10.63
WHOLESALE TRADE	300.25	298.72	284.47	39.3	39.1	39.4	7.64	7.64	7.22
RETAIL TRADE[f]	178.09	178.12	170.37	30.6	30.5	30.1	5.82	5.84	5.66
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Date relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
JULY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1983[b]	June 1983[c]	July 1982[c]	June 1983	July 1982
TOTAL	148.5	149.0	151.2	- .3	- 1.7
MANUFACTURING	46.4	46.4	48.9	.0	- 5.1
Durable Goods[e]	35.2	35.2	37.4	- .3	- 6.0
Stone, clay, and glass products	2.1	2.0	1.9	.7	10.1
Primary metal industries	11.3	11.3	11.3	.3	- .5
Fabricated metal products	7.7	7.7	8.9	- .4	- 13.5
Fabricated structural metal products	2.4	2.4	3.1	- .8	- 23.9
Metal forgings and stampings	2.2	2.2	2.5	- .9	- 11.4
Nondurable Goods[f]	11.2	11.2	11.5	.8	- 2.0
Food and kindred products	4.1	4.0	4.3	.9	- 6.1
Rubber and misc. plastics products	2.9	2.9	2.8	- .4	4.1
NONMANUFACTURING[g]	102.2	102.6	102.3	- .4	- .2
CONSTRUCTION	5.5	4.8	5.5	14.8	- 1.3
TRANSPORTATION AND PUBLIC UTILITIES	6.2	6.1	6.5	.6	- 5.6
Communication, electric, gas services	2.9	2.9	3.1	.0	- 5.1
WHOLESALE TRADE	7.8	7.9	7.6	- .4	2.6
RETAIL TRADE	26.4	26.5	26.2	- .3	.8
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.5	6.5	.4	.5
SERVICES	31.6	31.8	30.9	- .7	2.2
GOVERNMENT	16.8	17.7	17.7	- 4.9	- 4.8
Local government (includes education)	14.0	14.8	14.6	- 5.7	- 4.5

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
JULY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1983[b]	June 1983[c]	July 1982[c]	July 1983[b]	June 1983[c]	July 1982[c]	July 1983[b]	June 1983[c]	July 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$417.87	$423.07	$368.84	39.2	39.8	36.7	$10.66	$10.63	$10.05
Durable Goods[d]	425.02	435.01	369.66	39.1	39.8	36.1	10.87	10.93	10.24
Stone, clay, and glass products	283.10	271.55	256.23	40.5	39.7	39.0	6.99	6.84	6.57
Primary metal industries	455.84	468.07	361.12	38.5	39.4	29.6	11.84	11.88	12.20
Fabricated metal products	464.60	496.76	424.39	40.4	41.5	39.7	11.50	11.97	10.69
Fabricated structural metal products	470.82	467.60	413.00	42.0	41.9	41.3	11.21	11.16	10.00
Metal forgings and stampings	521.49	605.32	477.87	39.9	42.9	38.6	13.07	14.11	12.38
Nondurable Goods[e]	395.21	381.35	369.42	39.6	39.6	39.3	9.98	9.63	9.40
Food and kindred products	435.60	428.80	410.18	39.6	40.0	37.7	11.00	10.72	10.88
Rubber and misc. plastics products	401.46	404.05	379.74	42.8	43.4	43.3	9.38	9.31	8.77
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	556.09	549.58	540.96	35.9	36.3	36.7	15.49	15.14	14.74
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	459.08	454.66	436.81	40.2	40.2	40.9	11.42	11.31	10.68
WHOLESALE TRADE	304.96	313.13	301.40	37.1	37.5	38.2	8.22	8.35	7.89
RETAIL TRADE[f]	162.11	160.36	152.28	30.3	30.2	29.8	5.35	5.31	5.11
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
JULY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1983[b]	June 1983[c]	July 1982[c]	June 1983	July 1982
TOTAL	570.2	576.4	573.5	-1.1	-.6
MANUFACTURING	144.3	145.0	146.3	-.4	-1.4
Durable Goods[e]	80.2	80.3	80.1	-.1	.1
Furniture and fixtures	2.0	2.1	2.2	-2.3	-6.6
Primary metal industries	1.9	1.8	2.1	3.2	-11.0
Fabricated metal products	12.4	12.3	12.4	1.1	-.3
Fabricated structural metal products	3.8	3.8	4.3	1.3	-10.9
Machinery, except electrical	21.5	21.6	22.2	-.4	-3.5
Metalworking machinery	10.3	10.4	10.5	-1.1	-1.6
General industrial machinery	3.4	3.4	3.8	.2	-8.7
Electric and electronic equipment	7.7	7.7	7.7	.0	.3
Transportation equipment	24.4	24.4	23.7	-.2	2.9
Motor vehicles and equipment	9.3	9.5	9.0	-2.0	3.6
Nondurable Goods[f]	64.1	64.7	66.2	-.8	-3.1
Food and kindred products	14.0	14.1	15.5	-.8	-9.9
Meat products	2.0[h]	1.9[h]	2.4	4.3	-18.3
Bakery products	2.3	2.3	2.4	1.5	-5.0
Beverages	4.0	4.2	4.3	-5.8	-7.4
Apparel and other textile products	4.0	4.0	3.7	.7	7.3
Paper and allied products	5.7	5.8	5.8	-.3	-1.4
Printing and publishing	10.8[h]	11.5	11.4	-5.5	-5.2
Chemicals and allied products	21.6	21.7	22.1	-.7	-2.3
Rubber and misc. plastics products	4.4	4.3	4.1	2.3	6.7
NONMANUFACTURING[g]	425.9	431.4	427.2	-1.3	-.3
CONSTRUCTION	19.5	19.1	21.2	2.2	-7.9
TRANSPORTATION AND PUBLIC UTILITIES	31.3	31.6	32.5	-1.0	-3.8
Communication, electric, gas services	14.4	14.4	14.8	-.1	-3.0
WHOLESALE TRADE	36.9	36.9	37.3	-.2	-1.2
RETAIL TRADE	100.9	101.5	101.1	-.6	-.2
FINANCE, INSURANCE, AND REAL ESTATE	32.3	32.3	32.7	.1	-1.0
Banking	7.3	7.3	7.5	.4	-2.6
Insurance carriers	11.1	11.3	11.5	-1.3	-3.2
SERVICES	131.3	131.8	127.3	-.4	3.1
GOVERNMENT	73.3	77.8	74.8	-5.8	-2.0
Federal government	12.4	12.4	12.5	.0	-1.0
State government (includes education)	16.7	17.7	16.4	-6.0	1.9
Local government	44.3	47.7	45.9	-7.2	-3.6
Local government, except education	22.2	22.1	22.6	.6	-1.7
Local government education	22.1	25.6	23.4	-13.9	-5.4

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
JULY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1983[b]	June 1983[c]	July 1982[c]	July 1983[b]	June 1983[c]	July 1982[c]	July 1983[b]	June 1983[c]	July 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$414.92	$417.54	$390.26	41.0	41.3	40.4	$10.12	$10.11	$ 9.66
Durable Goods[d]	398.34	402.12	384.16	40.4	40.7	40.1	9.86	9.88	9.58
Furniture and fixtures	311.22	310.42	255.60	39.9	39.9	35.5	7.80	7.78	7.20
Primary metal industries	401.35	401.08	333.99	37.3	37.0	34.9	10.76	10.84	9.57
Fabricated metal products	393.05	377.48	355.12	42.4	41.3	40.4	9.27	9.14	8.79
Fabricated structural metal products	346.72	338.37	342.36	40.6	39.3	41.7	8.54	8.61	8.21
Machinery, except electrical	353.72	359.60	336.27	38.7	39.3	38.3	9.14	9.15	8.78
Metalworking machinery	381.95	383.52	383.30	37.3	37.6	38.6	10.24	10.20	9.93
General industrial machinery	329.97	333.28	306.45	39.9	40.3	36.7	8.27	8.27	8.35
Electric and electronic equipment	305.74	301.45	287.34	39.4	39.2	39.2	7.76	7.69	7.33
Transportation equipment	537.59	555.86	552.44	41.1	42.4	42.3	13.08	13.11	13.06
Motor vehicles and equipment	591.93	639.12	653.05	42.1	44.6	45.1	14.06	14.33	14.48
Nondurable Goods[e]	432.64	435.12	397.39	41.6	42.0	40.8	10.40	10.36	9.74
Food and kindred products	486.92	489.06	457.29	42.9	42.9	41.8	11.35	11.40	10.94
Meat products	393.72	403.92	454.02	40.8	41.9	42.0	9.65	9.64	10.81
Bakery products	454.08	462.53	386.63	44.0	43.8	41.0	10.32	10.56	9.43
Beverages	444.78	445.82	428.56	42.0	41.9	42.6	10.59	10.64	10.06
Apparel and other textile products	211.84	214.32	219.84	37.1	37.6	38.3	5.71	5.70	5.74
Paper and allied products	371.54	376.20	349.87	41.1	41.8	41.8	9.04	9.00	8.37
Printing and publishing	406.46	417.96	361.92	39.5	40.5	37.7	10.29	10.32	9.60
Chemicals and allied products	508.99	505.41	448.69	42.1	42.4	41.7	12.09	11.92	10.76
Rubber and misc. plastics products	397.90	383.26	326.23	47.2	46.4	41.4	8.43	8.26	7.88
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	564.16	541.75	560.50	38.3	37.7	38.0	14.73	14.37	14.75
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	443.77	438.45	393.67	39.8	39.5	38.9	11.15	11.10	10.12
WHOLESALE TRADE	343.33	336.65	317.54	39.6	39.1	39.3	8.67	8.61	8.08
RETAIL TRADE[f]	166.30	164.39	157.59	31.2	30.9	30.6	5.33	5.32	5.15
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	219.94	222.21	199.94	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
JULY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1983[b]	June 1983[c]	July 1982[c]	June 1983	July 1982
TOTAL	835.0	840.2	850.7	- .6	- 1.8
MANUFACTURING	211.0	212.4	223.5	- .7	- 5.6
Durable Goods[e]	146.2	147.5	159.4	- .9	- 8.3
Furniture and fixtures	1.7	1.7	1.9	- 4.1	- 14.1
Primary metal industries	23.7	24.0	27.1	- 1.3	- 12.8
Blast furnace and basic steel products	12.0	12.0	14.3	- .1	- 15.7
Iron and steel foundries	5.7	5.9	6.5	- 3.4	- 13.3
Nonferrous foundries	2.5	2.6	2.7	- 3.2	- 9.7
Fabricated metal products	31.2	31.5	33.5	- .9	- 6.9
Fabricated structural metal products	3.8	3.8	4.2	.6	- 8.8
Screw machine products, bolts, etc.	4.6	4.6	4.9	.6	- 5.0
Metal forgings and stampings	10.3	10.7	11.6	- 4.1	- 11.2
Machinery, except electrical	31.9	32.1	37.7	- .6	- 15.3
Construction and related machinery	5.5	5.5	6.2	- .7	- 12.6
Metalworking machinery	10.6	10.6	13.2	.0	- 19.7
Special industry machinery	3.1	3.0	3.4	4.8	- 9.5
General industrial machinery	2.5	2.6	3.2	- 4.4	- 23.0
Electric and electronic equipment	23.2	23.3	24.0	- .5	- 3.6
Electrical industrial apparatus	7.8	7.9	8.7	- 1.5	- 10.2
Transportation equipment	20.7	21.1	20.9	- 1.9	- 1.0
Motor vehicles and equipment	14.3	14.7	14.1	- 2.8	1.0
Instruments and related products	5.6	5.6	5.9	- .2	- 5.2
Nondurable Goods[f]	64.7	64.9	64.1	- .2	1.0
Food and kindred products	8.1	8.1	7.8	.2	3.3
Bakery products	1.7	1.7	1.8	- 1.7	- 4.5
Beverages	1.7	1.6	1.6	1.9	3.8
Apparel and other textile products	5.3	5.4	5.2	- 1.6	1.5
Paper and allied products	5.0	5.1	4.8	- .4	4.2
Printing and publishing	15.3	15.2	14.8	.2	2.8
Chemicals and allied products	14.6	14.5	15.3	.2	- 4.8
Industrial inorganic chemicals	3.5	3.5	3.9	- .1	- 10.4
Rubber and misc. plastics products	10.4	10.5	10.1	- .9	2.3
NONMANUFACTURING[g]	624.0	627.8	627.2	- .6	- .5
CONSTRUCTION	26.2	25.3	26.9	3.5	- 2.6
TRANSPORTATION AND PUBLIC UTILITIES	42.3	42.2	44.1	.1	- 4.2
Communication, electric, gas services	19.7	19.7	20.5	.0	- 4.2
WHOLESALE TRADE	60.2	60.2	61.1	- .1	- 1.5
RETAIL TRADE	132.3	133.8	135.2	- 1.1	- 2.2
FINANCE, INSURANCE, AND REAL ESTATE	48.3	48.2	48.9	.2	- 1.1
Banking	13.2	13.2	13.7	.0	- 4.3
Insurance carriers	12.1	12.0	12.3	.7	- 1.7
SERVICES	196.5	197.7	192.6	- .6	2.0
GOVERNMENT	117.2	119.3	117.2	- 1.8	.0
Federal government	19.2	19.2	19.5	.3	- 1.5
State government (includes education)	7.5	8.1	7.4	- 7.4	1.0
Local government	90.5	92.1	90.3	- 1.7	.2
Local government, except education	51.6	48.9	50.0	5.4	3.2
Local government education	38.9	43.1	40.3	- 9.8	- 3.5

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
JULY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1983[b]	June 1983[c]	July 1982[c]	July 1983[b]	June 1983[c]	July 1982[c]	July 1983[b]	June 1983[c]	July 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$424.09	$433.24	$408.80	40.7	41.3	40.0	$10.42	$10.49	$10.22
Durable Goods[d]	447.45	461.05	431.35	40.9	41.8	40.2	10.94	11.03	10.73
Furniture and fixtures	306.82	323.61	282.72	38.4	40.3	37.2	7.99	8.03	7.60
Primary metal industries	502.25	496.13	505.85	40.8	40.6	40.5	12.31	12.22	12.49
Blast furnace and basic steel products	464.28	464.28	491.95	36.5	36.5	37.1	12.72	12.72	13.26
Iron and steel foundries	658.42	635.26	652.86	46.4	46.0	46.5	14.19	13.81	14.04
Nonferrous foundries	353.50	357.52	339.73	41.2	41.0	40.3	8.58	8.72	8.43
Fabricated metal products	413.83	452.61	438.05	40.1	42.3	41.6	10.32	10.70	10.53
Fabricated structural metal products	358.49	359.39	362.06	39.7	40.2	42.1	9.03	8.94	8.60
Screw machine products, bolts, etc.	395.09	410.18	343.14	40.9	42.2	38.0	9.66	9.72	9.03
Metal forgings and stampings	502.24	580.29	567.53	41.1	45.3	44.2	12.22	12.81	12.84
Machinery, except electrical	443.77	448.40	397.32	40.9	41.1	38.5	10.85	10.91	10.32
Construction and related machinery	468.05	467.28	398.13	39.2	39.3	35.9	11.94	11.89	11.09
Metalworking machinery	430.26	414.57	379.76	40.4	39.0	37.9	10.65	10.63	10.02
Special industry machinery	451.36	456.96	421.50	40.7	42.0	39.1	11.09	10.88	10.78
General industrial machinery	390.16	372.78	383.17	41.2	39.7	38.9	9.47	9.39	9.85
Electric and electronic equipment	371.22	374.86	335.79	39.2	39.5	37.9	9.47	9.49	8.86
Electrical industrial apparatus	345.06	363.21	327.52	35.5	37.1	35.6	9.72	9.79	9.20
Transportation equipment	565.07	594.10	532.95	43.5	45.7	42.5	12.99	13.00	12.54
Motor vehicles and equipment	607.80	644.33	563.21	44.3	47.1	42.7	13.72	13.68	13.19
Instruments and related products	368.90	362.44	322.80	42.5	41.9	40.4	8.68	8.65	7.99
Nondurable Goods[e]	366.33	360.70	348.17	40.3	39.9	39.7	9.09	9.04	8.77
Food and kindred products	390.10	375.66	384.30	41.5	40.7	42.7	9.40	9.23	9.00
Bakery products	389.86	373.91	397.44	40.4	39.4	41.4	9.65	9.49	9.60
Beverages	350.28	357.44	309.66	41.8	42.3	39.0	8.38	8.45	7.94
Apparel and other textile products	267.65	261.89	246.79	38.4	37.9	37.0	6.97	6.91	6.67
Paper and allied products	405.03	409.27	361.30	42.5	42.9	40.1	9.53	9.54	9.01
Printing and publishing	368.84	358.07	358.54	36.7	35.7	36.4	10.05	10.03	9.85
Chemicals and allied products	435.66	442.21	416.97	41.1	41.6	41.0	10.60	10.63	10.17
Industrial inorganic chemicals	476.32	472.06	410.17	41.6	41.3	39.9	11.45	11.43	10.28
Rubber and misc. plastics products	337.50	333.01	305.62	42.4	42.1	41.3	7.96	7.91	7.40
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	690.82	673.10	618.22	38.4	37.9	37.4	17.99	17.76	16.53
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	483.61	474.02	445.68	40.1	39.8	39.9	12.06	11.91	11.17
WHOLESALE TRADE	338.77	340.02	332.81	39.3	39.4	39.2	8.62	8.63	8.49
RETAIL TRADE[f]	177.90	174.34	171.37	30.0	29.4	29.7	5.93	5.93	5.77
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	247.26	243.70	233.77	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
JULY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1983[b]	June 1983[c]	July 1982[c]	June 1983	July 1982
TOTAL	498.2	504.2	493.6	-1.2	.9
MANUFACTURING	87.2	87.2	86.4	.0	.9
Durable Goods[e]	55.8	55.6	54.5	.4	2.4
Stone, clay, and glass products	9.2	9.1	9.4	.8	-2.7
Fabricated metal products	9.6	9.7	9.0	-.8	6.4
Machinery, except electrical	10.1	10.0	10.4	.8	-2.4
Electric and electronic equipment	10.2	10.2	10.9	.1	-5.7
Transportation equipment	8.2	8.1	6.6	.9	23.2
Nondurable Goods[f]	31.4	31.6	31.9	-.6	-1.6
Food and kindred products	10.0	10.1	10.2	-1.7	-2.7
Printing and publishing	8.0	7.9	8.2	1.7	-2.5
Chemicals and allied products	6.0	6.1	6.0	-1.3	.4
Rubber and misc. plastics products	2.6	2.6	2.7	-1.2	-4.6
NONMANUFACTURING[g]	411.0	417.0	407.2	-1.4	.9
CONSTRUCTION	15.2	14.8	15.9	2.6	-4.5
TRANSPORTATION AND PUBLIC UTILITIES	22.2	22.2	23.5	.2	-5.3
Communication, electric, gas services	10.6	10.6	11.4	.0	-6.6
WHOLESALE TRADE	27.3	27.3	27.1	.0	.5
RETAIL TRADE	92.3	93.1	92.5	-.9	-.2
FINANCE, INSURANCE, AND REAL ESTATE	42.9	42.5	41.6	.9	3.2
Banking	8.5	8.4	8.3	1.6	2.6
Insurance carriers	17.7	17.6	17.7	.3	-.4
SERVICES	113.5	114.5	110.2	-.8	3.0
GOVERNMENT	96.8	101.7	95.6	-4.8	1.2
Federal government	11.3	11.4	11.6	-.2	-2.0
State government	44.0	48.5	44.1	-9.4	-.3
State government, except education	28.4	28.5	29.0	-.2	-1.9
State government education[i]	15.6	20.1	15.2	-22.4	2.8
Local government	41.5	41.9	40.0	-.8	3.9
Local government, except education	21.2	18.5	19.8	14.7	7.0
Local government education	20.3	23.4	20.1	-13.1	.8

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
JULY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1983[b]	June 1983[c]	July 1982[c]	July 1983[b]	June 1983[c]	July 1982[c]	July 1983[b]	June 1983[c]	July 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$408.63	$408.41	$369.18	40.7	40.8	39.4	$10.04	$10.01	$ 9.37
Durable Goods[d]	426.94	431.14	381.79	40.7	41.1	39.4	10.49	10.49	9.69
Stone, clay, and glass products	391.15	395.20	358.02	40.2	40.7	39.0	9.73	9.71	9.18
Fabricated metal products	505.08	538.16	442.91	41.4	43.4	39.3	12.20	12.40	11.27
Machinery, except electrical	402.41	374.53	362.69	41.7	40.1	39.9	9.65	9.34	9.09
Electric and electronic equipment	417.49	401.30	378.28	41.5	40.7	40.2	10.06	9.86	9.41
Transportation equipment	527.54	549.63	465.78	43.1	45.2	42.0	12.24	12.16	11.09
Nondurable Goods[e]	369.36	363.31	344.36	40.5	40.1	39.4	9.12	9.06	8.74
Food and kindred products	380.49	367.08	345.63	42.8	42.0	41.0	8.89	8.74	8.43
Printing and publishing	433.58	433.47	395.39	37.9	37.4	37.8	11.44	11.59	10.46
Chemicals and allied products	405.19	406.41	391.68	40.6	40.6	41.1	9.98	10.01	9.53
Rubber and misc. plastics products	310.70	296.23	302.25	42.1	41.2	39.0	7.38	7.19	7.75
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	484.97	488.82	493.01	37.8	37.4	38.1	12.83	13.07	12.94
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	472.42	467.25	428.47	39.9	39.8	39.6	11.84	11.74	10.82
WHOLESALE TRADE	319.58	319.20	304.20	40.3	40.0	39.1	7.93	7.98	7.78
RETAIL TRADE[f]	169.89	167.70	153.99	30.5	30.0	29.0	5.57	5.59	5.31
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	238.34	235.54	225.02	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
JULY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1983[b]	June 1983[c]	July 1982[c]	June 1983	July 1982
TOTAL	330.1	337.0	333.9	-2.1	-1.2
MANUFACTURING	85.5	86.5	88.5	-1.2	-3.4
Durable Goods[e]	59.0	60.2	62.0	-1.9	-4.7
Stone, clay, and glass products	2.1	2.1	1.9	-.3	9.2
Fabricated metal products	6.7	6.7	6.8	.3	-.5
Machinery, except electrical	27.0	28.3	29.4	-4.6	-8.1
Metalworking machinery	5.7	5.9	6.6	-3.2	-12.3
Electric and electronic equipment	4.5	4.5	4.9	-.1	-8.2
Electrical industrial apparatus	2.5	2.6	2.9	-1.0	-11.3
Transportation equipment	13.0	12.8	13.3	1.3	-2.1
Nondurable Goods[f]	26.5	26.4	26.5	.4	-.2
Food and kindred products	2.9	2.9	2.9	-1.7	.4
Paper and allied products	5.2	5.2	5.3	-.5	-1.9
Printing and publishing	7.3	7.4	7.3	-.7	.0
Rubber and misc. plastics products	7.7	7.4	7.7	4.3	.5
NONMANUFACTURING[g]	244.5	250.5	245.4	-2.4	-.4
CONSTRUCTION	9.7	9.4	10.2	3.3	-4.3
TRANSPORTATION AND PUBLIC UTILITIES	12.3	12.3	13.1	-.4	-6.1
Communication, electric, gas services	5.8	5.8	6.7	-.1	-14.0
WHOLESALE TRADE	16.5	16.5	16.6	.0	-.6
RETAIL TRADE	54.3	54.9	55.2	-1.0	-1.6
FINANCE, INSURANCE, AND REAL ESTATE	13.8	13.6	13.6	1.3	1.6
SERVICES	75.6	76.4	73.5	-1.1	2.7
GOVERNMENT	62.0	66.9	62.9	-7.4	-1.4
Federal government	26.4	26.1	26.5	1.2	-.4
State government (includes education)	5.4	6.2	5.3	-11.9	2.0
Local government	30.2	34.7	31.1	-13.0	-2.8
Local government, except education	13.5	13.3	13.4	1.3	.6
Local government education	16.7	21.4	17.7	-22.0	-5.3

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
JULY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1983[b]	June 1983[c]	July 1982[c]	July 1983[b]	June 1983[c]	July 1982[c]	July 1983[b]	June 1983[c]	July 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$449.40	$443.52	$422.51	42.0	42.0	41.1	$10.70	$10.56	$10.28
Durable Goods[d]	449.85	443.52	427.04	42.2	42.2	41.3	10.66	10.51	10.34
Stone, clay, and glass products	374.37	377.74	392.24	39.7	40.1	39.7	9.43	9.42	9.88
Fabricated metal products	319.71	335.78	323.75	38.8	40.7	39.1	8.24	8.25	8.28
Machinery, except electrical	466.75	465.00	432.22	42.9	42.7	41.4	10.88	10.89	10.44
Metalworking machinery	440.73	432.43	390.00	42.5	41.7	39.0	10.37	10.37	10.00
Electric and electronic equipment	309.29	312.44	305.12	39.3	39.7	40.2	7.87	7.87	7.59
Electrical industrial apparatus	327.86	329.43	322.79	38.8	39.5	39.9	8.45	8.34	8.09
Transportation equipment	595.82	558.15	576.84	44.2	43.1	44.0	13.48	12.95	13.11
Nondurable Goods[e]	449.94	445.12	411.68	41.7	41.6	40.6	10.79	10.70	10.14
Food and kindred products	387.29	395.39	373.09	39.6	40.1	37.8	9.78	9.86	9.87
Paper and allied products	402.04	380.09	350.70	43.7	42.9	41.8	9.20	8.86	8.39
Printing and publishing	405.00	382.66	403.52	38.1	36.1	38.8	10.63	10.60	10.40
Rubber and misc. plastics products	575.97	586.43	511.77	43.9	44.8	42.4	13.12	13.09	12.07
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	547.79	541.93	541.95	39.1	39.1	39.3	14.01	13.86	13.79
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	464.31	465.06	418.44	40.2	40.3	39.7	11.55	11.54	10.54
WHOLESALE TRADE	345.91	337.41	313.83	42.6	41.4	41.9	8.12	8.15	7.49
RETAIL TRADE[f]	162.41	159.67	151.04	30.3	29.9	29.5	5.36	5.34	5.12
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
JULY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1983[b]	June 1983[c]	July 1982[c]	June 1983	July 1982
TOTAL	279.4	283.1	277.7	- 1.3	.6
MANUFACTURING	69.2	69.4	68.1	- .3	1.6
Durable Goods[e]	53.4	53.6	52.8	- .3	1.1
Stone, clay, and glass products	11.8	11.7	12.6	.6	- 6.6
Primary metal industries	3.9	3.9	3.8	- 1.4	2.4
Fabricated metal products	7.6	7.9	7.5	- 3.8	2.0
Metal forgings and stampings	3.5	3.6	3.4	- 3.0	2.3
Machinery, except electrical	5.7	5.8	6.4	- 1.2	- 11.6
General industrial machinery	1.6	1.6	1.9	- .5	- 14.6
Transportation equipment	17.1	17.0	15.2	.5	11.9
Motor vehicles and equipment	15.9	15.8	14.1	.7	12.9
Nondurable Goods[f]	15.8	15.9	15.3	.0	3.5
Food and kindred products	4.3	4.5	3.8	- 4.4	11.3
Rubber and misc. plastics products	3.6	3.5	3.2	4.9	13.3
NONMANUFACTURING[g]	210.2	213.7	209.5	- 1.6	.3
CONSTRUCTION	11.1	10.6	10.3[h]	4.4	7.7
TRANSPORTATION AND PUBLIC UTILITIES	17.4	17.5	18.2	- .4	- 4.0
Communication, electric, gas services	7.5	7.5	7.8	.0	- 3.8
WHOLESALE TRADE	14.3	14.4	14.5	- 1.0	- 1.8
RETAIL TRADE	49.6	50.2	50.5	- 1.3	- 1.7
FINANCE, INSURANCE, AND REAL ESTATE	11.1	11.1	10.9	.2	2.6
SERVICES	65.7	65.8	64.1	- .1	2.5
GOVERNMENT	40.5	43.5	40.7	- 6.9	- .6
State government (includes education)	11.3	11.8	12.8	- 4.1	- 11.5
Local government	26.4	28.9	25.1	- 8.7	5.1
Local government, except education	12.0	11.7	11.2	3.2	7.7
Local government education	14.3	17.2	13.9	- 16.7	3.1

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
JULY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1983[b]	June 1983[c]	July 1982[c]	July 1983[b]	June 1983[c]	July 1982[c]	July 1983[b]	June 1983[c]	July 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$474.18	$470.11	$462.31	42.3	42.2	41.8	$11.21	$11.14	$11.06
Durable Goods[d]	491.73	490.33	482.58	42.5	42.6	42.0	11.57	11.51	11.49
Stone, clay, and glass products	486.06	482.94	484.18	42.9	42.7	43.0	11.33	11.31	11.26
Primary metal industries	452.12	443.59	421.88	43.1	42.9	42.4	10.49	10.34	9.95
Fabricated metal products	447.79	462.64	449.08	41.5	42.6	40.9	10.79	10.86	10.98
Metal forgings and stampings	506.52	525.31	528.24	42.0	43.2	42.6	12.06	12.16	12.40
Machinery, except electrical	407.16	409.37	424.66	39.0	39.4	40.1	10.44	10.39	10.59
General industrial machinery	457.02	457.80	481.03	38.6	38.6	40.8	11.84	11.86	11.79
Transportation equipment	576.41	561.17	574.62	43.8	43.2	43.4	13.16	12.99	13.24
Motor vehicles and equipment	575.97	561.60	574.62	43.8	43.2	43.4	13.15	13.00	13.24
Nondurable Goods[e]	411.84	402.78	394.83	41.6	41.1	41.3	9.90	9.80	9.56
Food and kindred products	466.38	433.87	429.78	45.5	43.0	43.9	10.25	10.09	9.79
Rubber and misc. plastics products	319.84	322.00	333.66	39.1	40.1	40.2	8.18	8.03	8.30
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	668.74	615.00	581.67	39.5	37.5	37.6	16.93	16.40	15.47
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	486.57	467.48	465.68	41.2	40.3	40.6	11.81	11.60	11.47
WHOLESALE TRADE	334.07	339.07	327.37	38.8	38.4	38.2	8.61	8.83	8.57
RETAIL TRADE[f]	167.01	162.88	160.68	30.2	29.4	29.7	5.53	5.54	5.41
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
JULY 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	July 1983[b]	June 1983[c]	July 1982[c]	June 1983	July 1982
TOTAL	182.8	183.2	182.5	- .2	.2
MANUFACTURING	55.0	54.3	54.4	1.2	1.0
Durable Goods[e]	49.9	49.3	49.4	1.2	1.1
Stone, clay, and glass products	1.7	1.8	1.5	- 4.7	11.5
Primary metal industries	22.8	22.7	23.7	.2	- 4.1
Blast furnace and basic steel products	9.5	9.2	10.9	2.4	- 13.3
Fabricated metal products	8.7	8.5	8.1	3.2	8.0
Fabricated structural metal products	2.4	2.3	2.3	4.1	4.6
Machinery, except electrical	3.7	3.5	4.8	6.2	- 23.2
Metalworking machinery	1.7	1.5	2.4	12.4	- 29.1
Electric and electronic equipment	2.6	2.6	2.8	- .1	- 8.7
Transportation equipment	9.1	9.0	6.7	1.2	36.0
Nondurable Goods[f]	5.1	5.0	5.0	1.4	.4
NONMANUFACTURING[g]	127.8	128.9	128.0	- .9	- .2
CONSTRUCTION	5.2	5.2	5.8	1.7	- 9.0
TRANSPORTATION AND PUBLIC UTILITIES	7.9	7.9	8.5	.6	- 6.6
Communication, electric, gas services	3.2	3.2	3.4	.3	- 5.7
WHOLESALE TRADE	7.9	8.0	8.1	- .2	- 2.6
RETAIL TRADE	34.8	35.0	36.2	- .3	- 3.7
FINANCE, INSURANCE, AND REAL ESTATE	7.3	7.3	7.2	.3	2.3
SERVICES	41.3	41.1	39.8	.4	3.7
GOVERNMENT	22.2	23.5	21.5	- 5.5	3.4
Local government (includes education)	17.2	17.6	16.6	- 2.6	3.5

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
JULY 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	July 1983[b]	June 1983[c]	July 1982[c]	July 1983[b]	June 1983[c]	July 1982[c]	July 1983[b]	June 1983[c]	July 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$521.66	$510.46	$466.89	41.9	41.4	39.4	$12.45	$12.33	$11.85
Durable Goods[d]	535.51	523.74	481.90	42.1	41.6	39.5	12.72	12.59	12.20
Stone, clay, and glass products	356.98	364.97	291.42	39.1	39.8	34.9	9.13	9.17	8.35
Primary metal industries	521.14	515.87	482.28	39.6	39.5	36.9	13.16	13.06	13.07
Blast furnace and basic steel products	507.30	481.34	489.68	38.2	36.8	35.9	13.28	13.08	13.64
Fabricated metal products	556.14	559.82	465.29	42.1	42.8	39.1	13.21	13.08	11.90
Fabricated structural metal products	421.19	430.20	358.53	39.4	40.7	37.0	10.69	10.57	9.69
Machinery, except electrical	474.81	455.51	396.12	39.9	38.8	34.9	11.90	11.74	11.35
Metalworking machinery	511.97	480.80	398.11	42.7	41.2	35.2	11.99	11.67	11.31
Electric and electronic equipment	399.64	392.78	398.98	41.2	41.0	42.4	9.70	9.58	9.41
Transportation equipment	665.14	623.13	645.34	49.6	47.1	49.3	13.41	13.23	13.09
Nondurable Goods[e]	358.54	367.48	323.25	39.4	39.9	38.3	9.10	9.21	8.44
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	585.48	564.99	602.97	37.7	37.0	39.8	15.53	15.27	15.15
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	456.80	447.60	423.20	40.0	40.0	40.0	11.42	11.19	10.58
WHOLESALE TRADE	312.93	317.19	328.87	35.2	35.8	38.6	8.89	8.86	8.52
RETAIL TRADE[f]	165.90	165.39	158.06	30.0	29.8	29.6	5.53	5.55	5.34
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.--Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.--Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.--Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

Ohio Labor Market Information
BUREAU OF EMPLOYMENT SERVICES
JOB SERVICE OF OHIO
RICHARD F. CELESTE, *Governor*
DR. ROBERTA STEINBACHER, *Administrator*

9/23/83 S6270-1 a
K

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
AUGUST 1983

Unemployment in Ohio, estimated at 565,000 in August, represented 10.8 percent of the civilian labor force--little changed from July. Total employment dropped .9 percent, to 4,679,000. Nonfarm payrolls slipped .2 percent, to 4,086,000, as recalls of factory workers moderated seasonal layoffs and labor disputes in nonmanufacturing.

Employment in Ohio's manufacturing industries advanced 1.1 percent from July, to 1,088,000 in August. More orders led to gains in the production of motor vehicles and automotive components, although retooling for model changeovers effected temporary layoffs at several facilities. Increases in household appliances, automotive castings, and various fabricated metals industries were also attributable to more business. Food processors hired additional cannery workers, while strike settlements boosted employment in the production of nonelectrical machinery.

Nonmanufacturing employment in Ohio totaled 2,998,000 in August, down .6 percent from July. Labor-management disputes in the telephone communication industry, idling several thousand workers statewide, accounted for over four-fifths of the decline. Seasonal layoffs among public schools and colleges, coupled with termination of some summer jobs programs, lowered employment in state and local government. Retailing and construction, however, advanced moderately from July.

Production workers in Ohio factories grossed $433 per week in August, marginally above the July figure. Their average workweek, at 41.2 hours, was slightly longer. More premium overtime lifted earnings among several durable-goods industries, notably plumbing and heating supplies, nonferrous castings and wire, electric lighting and wiring equipment, and general industrial machinery. Producers of textile mill products also reported stepped-up overtime, while wage-rate increases boosted earnings in the manufacture of metal fasteners. Overtime curtailments, on the other hand, were reported among paper mills in August. Lower earnings in plastic products reflected temporary vacation shutdowns.

The number of jobless Ohioans decreased by some 94,000 between August 1982 and August 1983, lowering the umemployment rate from 12.5 to 10.8 percent. Nonfarm payroll employment was .7 percent below its year-ago level, with currently active labor disputes accounting for about half of the decline. Manufacturing slipped .5 percent over the year, as cutbacks in nonelectrical machinery and primary metals countered gains in the production of transportation equipment. Factory production workers grossed $29 more per week in August 1983 than in August 1982, as the average workweek was extended by 1.2 hours.

For additional Labor Market information, write
DIRECTOR, *Division of Research and Statistics,* BUREAU OF EMPLOYMENT SERVICES, COLUMBUS 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--August nonfarm wage and salary employment in the Akron area, at 249,200, was 1,000 below July. The decrease occurred in nonmanufacturing, mainly as a result of a labor-management dispute in communication services. Manufacturing, on the other hand, rose slightly, to 67,600 for the month. Production workers in factories grossed $10.36 per hour--little changed for the month--for a workweek of 42.6 hours, up .2 hours from July.

Canton.--Canton's nonagricultural wage and salary employment declined 300 from July, to a total of 148,400 in August. Nonmanufacturing accounted for the loss, due to a strike in telephone communication. Manufacturing increased minimally, to 46,500 in August. Earnings of factory production workers in August were $10.70 an hour, up 11¢ for the month. Their workweek averaged 39.5 hours, up .7 hours from July.

Cincinnati.--Nonfarm payrolls in Cincinnati totaled 569,300 in August, down 1,400 from July. Increases in motor vehicle production and settlement of a dispute in meat packing boosted manufacturing to 146,300 in August, up 1,800 for the month. The net loss, however, stemmed from a sizable dispute in telecommunications. Hourly earnings of factory production workers rose 7¢, to $10.19 an hour. The average workweek, at 40.9 hours, was on par with July.

Cleveland.--Nonfarm establishments in the Cleveland area employed 826,300 wage and salary workers in August, down 8,200 from July. Losses in nonmanufacturing--due to a dispute in telephone services and cutbacks in local schools--accounted for most of the decline. Additional decreases in transportation equipment lowered manufacturing to 210,300 in August, 500 below the previous month. Hourly earnings of the average production worker, at $10.42, were little changed from July. The average workweek, at 40.9 hours, was up .3 hours for the month.

Columbus.--Columbus' nonagricultural wage and salary employment decreased 1,300 from July, to 497,100 in August. Gains in retail trade were more than offset by a labor-management dispute in communication services, lowering nonmanufacturing for the month. Manufacturing rose 800, to 88,000 in August, due chiefly to increases in durable-goods industries. The workweek for the average production worker, at 40.7 hours, was up .2 hours from July. Average hourly earnings, at $9.95, were down 9¢ from the previous month.

Dayton.--Nonfarm establishments in Dayton employed 330,900 workers in August, up slightly from July. Strike settlements augmented by recalls in nonelectrical machinery boosted manufacturing for the month, up 1,300, to 87,000 in August. Increases were moderated, however, by a labor dispute in telephone communication and layoffs among state and local schools. The workweek of the average factory production worker, at 42.4 hours, was up .3 hours from the previous month, while gross earnings, at $10.69 per hour, were down slightly from July.

Toledo.--Toledo's nonfarm payroll employment, at 279,900 in August, was 400 above July. The gain in manufacturing--up 1,400, to 70,800--stemmed largely from hiring in motor vehicles. Nonmanufacturing slipped, however, due to a labor-management dispute in telecommunications and cutbacks among public schools and colleges. Average hourly earnings of factory production workers were up 8¢, to $11.24 an hour. The average workweek, at 42.4 hours, was .5 hours longer in August.

Youngstown-Warren.--Nonagricultural payroll employment in the Youngstown-Warren area decreased 1,500 from July, to 181,300 in August. Two-thirds of the loss occurred in manufacturing--down 1,000, to 54,000 for the month--as model changeovers idled workers in motor vehicles. A labor-management dispute in telephone services lowered nonmanufacturing. Widespread overtime curtailments lowered average hourly earnings of factory production workers to $12.21 in August, down 33¢ from July. The average factory workweek, at 41.3 hours, was shorter by nearly an hour and a half.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 9-19-83

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1972	248.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	600.6	895.6	509.8	355.7	293.1	203.1
1981	259.6	156.6	592.2	880.7	506.6	952.5	290.9	198.7
1982	250.8	149.7	575.5	847.5	497.9	337.0	282.2	182.2
1982								
August ..	248.3	150.5	574.2	846.7	494.4	332.2	278.9	178.6
September	253.0	150.3	580.3	846.0	497.3	338.9	285.2	182.4
October .	252.5	148.3	579.0	842.3	503.5	338.1	285.5	180.9
November.	251.7	147.9	576.9	840.5	503.8	335.7	284.6	177.3
December.	250.4	147.3	574.8	837.3	504.0	336.4	282.8	177.8
1983								
January .	243.4	144.5	561.1	815.6	491.5	330.3	277.4	175.6
February.	245.9	144.6	558.8	816.5	492.0	330.6	275.8	176.2
March ...	247.0	145.0	561.7	820.8	494.2	332.3	274.4	179.5
April ...	248.9	146.6	570.4	825.8	497.9	334.0	279.8	181.0
May	251.5	148.1	574.4	831.3	501.4	335.6	284.4	183.5
June	247.5	149.0	576.4	840.2	504.2	337.0	283.1	183.2
July	250.2	148.7	570.7	834.5	498.5	330.8	279.5	182.8
August ..	249.2	148.4	569.3	826.3	497.1	330.9	279.9	181.3
	MANUFACTURING EMPLOYMENT (in thousands)							
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.6	79.9
1980	79.1	55.7	162.4	254.9	96.8	99.4	75.4	70.8
1981	75.7	54.8	157.3	246.8	93.1	97.8	74.6	67.3
1982	68.8	48.2	147.2	224.1	86.7	87.9	68.8	53.4
1982								
August ..	67.9	48.5	147.0	221.1	86.2	86.4	69.8	50.6
September	68.3	47.9	147.9	222.3	86.5	87.6	70.1	52.8
October .	67.4	45.8	147.0	216.1	86.3	85.8	67.4	51.4
November.	66.5	45.2	147.0	213.7	85.7	82.9	66.8	47.6
December.	65.3	44.7	145.0	210.3	84.6	83.4	65.4	48.6
1983								
January .	66.2	45.0	143.8	210.3	84.7	84.0	66.4	50.0
February.	67.1	45.3	142.6	210.5	85.8	84.7	65.5	50.9
March ...	67.0	45.2	142.7	210.7	85.9	85.1	62.7	53.7
April ...	67.3	45.3	143.8	210.8	86.6	85.8	66.2	54.3
May	67.2	45.7	143.6	211.4	86.9	86.2	68.3	54.8
June	67.0	46.4	145.0	212.4	87.2	86.5	69.4	54.3
July	67.6	46.4	144.5	210.8	87.2	85.7	69.4	55.0
August ..	67.6	46.5	146.3	210.3	88.0	87.0	70.8	54.0

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS (in thousands)							
1972	53.5	42.2	110.7	188.7	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.7	39.6	103.5	161.8	61.3	64.4	49.2	50.8
1982	37.2	33.7	96.1	142.5	55.6	55.8	45.1	38.5
1982								
August ..	36.2	34.0	95.9	139.9	55.3	54.3	46.0	35.8
September	36.8	33.6	97.0	142.0	55.4	55.6	46.6	37.8
October .	36.2	31.8	96.4	136.6	55.0	54.1	44.2	36.6
November.	35.3	31.4	96.5	135.0	54.3	51.4	43.8	33.5
December.	34.5	30.8	94.5	132.1	53.4	52.1	42.5	34.3
1983								
January .	35.4	31.2	93.3	132.0	53.6	52.6	43.5	35.6
February.	36.2	31.5	92.2	132.4	54.6	53.3	42.7	36.4
March ...	36.2	31.6	92.4	132.7	54.7	53.7	40.0	39.0
April ...	36.7	31.6	93.3	133.2	55.4	54.4	43.5	39.6
May	36.7	32.0	93.1	134.2	55.7	54.8	45.5	40.1
June	36.4	32.7	94.1	135.2	56.1	55.1	46.5	40.0
July	36.9	32.7	93.8	133.3	56.0	54.0	46.4	40.6
August ..	37.1	32.7	95.8	133.4	56.7	55.0	47.8	39.5
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS							
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.8
1982	41.0	38.6	40.5	39.9	39.8	40.0	41.1	39.3
1982								
August ..	40.2	38.3	40.7	40.1	39.6	40.3	41.4	37.9
September	41.0	39.1	40.5	39.6	39.8	39.8	41.8	39.5
October .	40.5	38.3	40.2	39.2	39.7	39.3	41.3	39.3
November.	41.2	38.3	41.4	39.2	40.3	39.2	41.3	39.6
December.	41.6	39.1	41.5	39.9	40.5	40.3	41.1	40.3
1983								
January .	42.5	38.7	40.4	39.8	39.9	40.0	41.5	40.1
February.	42.5	38.6	40.4	39.8	40.0	40.2	41.6	40.6
March ...	43.3	39.1	40.8	40.1	40.4	40.8	42.0	41.1
April ...	42.5	39.5	40.8	40.4	40.2	41.1	42.5	41.3
May	42.6	38.9	40.8	40.6	40.3	41.1	42.7	42.4
June	42.3	39.8	41.3	41.3	40.8	42.0	42.2	41.4
July	42.4	38.8	40.9	40.6	40.5	42.1	41.9	42.7
August ..	42.6	39.5	40.9	40.9	40.7	42.4	42.4	41.3

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1972	$ 4.68	$ 4.48	$ 4.15	$ 4.50	$ 4.06	$ 4.74	$ 4.67	$ 4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1982	9.83	10.22	9.57	10.10	9.31	10.02	10.89	11.72
1982								
August ..	9.79	10.35	9.62	10.18	9.40	10.05	10.91	11.64
September	9.91	10.39	9.68	10.28	9.47	10.08	10.93	11.75
October .	9.92	10.46	9.65	10.15	9.49	10.01	11.01	11.58
November.	9.95	10.44	9.78	10.19	9.50	9.89	11.01	11.65
December.	10.06	10.52	9.84	10.26	9.57	10.05	11.00	12.01
1983								
January .	10.21	10.56	9.85	10.29	9.62	10.16	11.10	12.00
February.	10.21	10.62	9.93	10.28	9.70	10.23	11.12	12.22
March ...	10.34	10.41	10.01	10.25	9.76	10.31	10.99	12.21
April ...	10.24	10.39	10.06	10.31	9.87	10.35	11.14	12.22
May	10.35	10.53	10.10	10.42	9.90	10.47	11.29	12.45
June	10.34	10.63	10.11	10.49	10.01	10.56	11.14	12.33
July	10.35	10.59	10.12	10.43	10.04	10.72	11.16	12.54
August ..	10.36	10.70	10.19	10.42	9.95	10.69	11.24	12.21
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1972	$197.03	$181.89	$173.89	$190.35	$164.02	$201.45	$196.14	$201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.81	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	395.38	346.80	397.85	406.14	474.10
1982	403.03	394.49	387.59	402.99	370.54	400.80	447.58	460.60
1982								
August ..	393.56	396.41	391.53	408.22	372.24	405.02	451.67	441.16
September	406.31	406.25	392.04	406.30	376.91	401.18	456.87	464.13
October .	401.76	400.62	387.93	397.88	376.75	393.39	454.71	455.09
November.	409.94	399.85	404.89	399.45	382.85	387.69	454.71	461.34
December.	418.50	411.33	408.36	409.37	387.59	405.02	452.10	484.00
1983								
January .	433.93	408.67	397.94	409.54	383.84	406.40	460.65	481.20
February.	433.93	409.93	401.17	409.14	388.00	411.25	462.59	496.13
March ...	447.72	407.03	408.41	411.03	394.30	420.65	461.58	501.83
April ...	435.20	410.41	410.45	416.52	396.77	425.39	473.45	504.69
May	440.91	409.62	412.08	423.05	398.97	430.32	482.08	527.88
June	437.38	423.07	417.54	433.24	408.41	443.52	470.11	510.46
July	438.84	410.89	413.91	423.46	406.62	451.31	467.60	535.46
August ..	441.34	422.65	416.77	426.18	404.97	453.26	476.58	504.27

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio: Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate
AKRON[b]				
1972	282.2	267.3	14.8	5.3
1973	287.1	274.9	12.2	4.3
1974	290.8	277.7	13.0	4.5
1975	292.0	264.3	27.7	9.5
1976	291.3	266.3	25.0	8.6
1977	294.2	274.7	19.5	6.6
1978	298.9	282.2	16.7	5.6
1979	303.8	285.4	18.4	6.1
1980	304.5	278.3	26.2	8.6
1981	304.1	274.9	29.1	9.6
1982	305.8	269.4	36.4	11.9
1982				
July	313.7	276.1	37.6	12.0
August	312.7	275.0	37.7	12.1
September ..	308.5	272.2	36.3	11.8
October	309.3	271.0	38.3	12.4
November ...	304.7	264.7	39.9	13.1
December ...	304.5	262.9	41.6	13.7
1983				
January	296.9	252.3	44.6	15.0
February ...	297.1	254.7	42.5	14.3
March	301.8	261.4	40.4	13.4
April	306.7	267.5	39.2	12.8
May	311.6	271.5	40.1	12.9
June	311.8	272.9	38.9	12.5
July[p]	318.3	284.4	33.9	10.6
CANTON[c]				
1972	165.6	155.3	10.3	6.2
1973	171.2	163.1	8.1	4.7
1974	175.6	167.5	8.1	4.6
1975	174.7	158.0	16.7	9.6
1976	174.4	158.6	15.8	9.1
1977	175.9	163.1	12.9	7.3
1978	179.9	170.0	9.9	5.5
1979	184.3	173.7	10.6	5.7
1980	187.7	170.9	16.8	8.9
1981	188.4	170.1	18.2	9.7
1982	192.5	165.1	27.4	14.3
1982				
July	201.2	172.0	29.2	14.5
August	199.7	170.6	29.1	14.6
September .	193.0	166.4	26.6	13.8
October ...	195.8	163.9	31.8	16.3
November ..	192.9	160.0	32.9	17.1
December ..	191.0	159.0	32.0	16.8
1983				
January ...	187.4	153.9	33.5	17.9
February ..	186.5	154.0	32.5	17.4
March	189.0	157.9	31.1	16.5
April	191.6	161.7	29.9	15.6
May	194.6	164.2	30.3	15.6
June	196.7	167.9	28.8	14.6
July[p]	198.0	173.7	24.3	12.3
CINCINNATI[d]				
1972	561.0	529.0	32.0	5.7
1973	572.0	543.0	29.0	5.1
1974	595.3	569.8	25.5	4.3
1975	595.3	551.6	43.6	7.3
1976	604.8	566.6	38.2	6.3
1977	623.4	588.7	34.7	5.6
1978	648.3	615.8	32.5	5.0
1979	663.4	628.1	35.3	5.3
1980	676.2	628.6	47.5	7.0
1981	678.5	619.3	59.1	8.7
1982	682.0	610.4	71.6	10.5
1982				
July	698.6	625.4	73.3	10.5
August	696.2	624.3	71.8	10.3
September ..	684.5	617.2	67.3	9.8
October	690.0	614.8	75.2	10.9
November ...	677.5	602.5	75.0	11.1
December ...	673.3	598.8	74.5	11.1
1983				
January	661.5	580.1	81.3	12.3
February ...	655.9	577.2	78.7	12.0
March	667.8	590.2	77.6	11.6
April	674.9	604.1	70.8	10.5
May	683.3	609.9	73.4	10.7
June	694.4	620.1	74.3	10.7
July	INA	INA	INA	INA
CLEVELAND[e]				
1972	873.2	825.2	48.0	5.5
1973	883.9	849.0	34.9	3.9
1974	899.1	861.4	37.7	4.2
1975	896.9	826.3	70.6	7.9
1976	897.7	834.4	63.3	7.0
1977	908.5	854.4	54.0	5.9
1978	921.7	878.5	43.2	4.7
1979	935.8	889.1	46.7	5.0
1980	937.1	869.1	68.0	7.3
1981	933.9	854.0	79.8	8.5
1982	933.7	833.8	100.0	10.7
1982				
July	967.4	862.9	104.5	10.8
August	963.1	855.8	107.3	11.1
September .	934.4	833.4	100.9	10.8
October ...	939.9	829.2	110.7	11.8
November ..	926.6	811.3	115.3	12.4
December ..	921.5	807.1	114.3	12.4
1983				
January ...	895.2	776.5	118.7	13.3
February ..	893.4	776.7	116.7	13.1
March	913.3	797.9	115.5	12.6
April	923.2	813.0	110.2	11.9
May	935.7	821.5	114.1	12.2
June	961.0	843.8	117.3	12.2
July[p]	969.7	870.0	99.7	10.3

---

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary. INA—Information not available.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]

(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
COLUMBUS[f]					**DAYTON[g]**				
1972	469.1	450.2	18.9	4.0	1972	353.5	336.2	17.3	4.9
1973	485.5	468.3	17.1	3.5	1973	358.0	343.5	14.5	4.1
1974	495.4	475.5	19.9	4.0	1974	359.5	342.5	17.0	4.7
1975	495.0	458.6	36.5	7.4	1975	357.6	327.7	29.9	8.4
1976	503.6	468.5	35.1	7.0	1976	360.5	336.3	24.2	6.7
1977	513.4	483.3	30.1	5.9	1977	368.6	348.3	20.3	5.5
1978	531.4	506.5	24.9	4.7	1978	381.1	363.7	17.3	4.6
1979	543.0	517.1	25.8	4.8	1979	392.2	367.9	24.2	6.2
1980	554.7	523.4	31.4	5.7	1980	390.2	361.0	29.2	7.5
1981	562.4	519.1	43.3	7.7	1981	390.8	357.9	32.8	8.4
1982	568.8	518.0	50.8	8.9	1982	391.1	347.0	44.2	11.3
1982					1982				
July	582.9	[illegible]	52.1	8.9	July	400.1	355.1	45.0	11.2
August	582.4	529.3	53.1	9.1	August	396.3	351.7	44.6	11.3
September	568.2	518.8	49.4	8.7	September	391.7	349.6	42.1	10.7
October	574.9	523.8	51.2	8.9	October	393.4	348.3	45.2	11.5
November	567.1	513.4	53.6	9.5	November	386.5	338.7	47.8	12.4
December	564.0	512.3	51.8	9.2	December	385.3	338.5	46.8	12.1
1983					1983				
January	548.2	492.8	55.4	10.1	January	375.8	327.8	47.9	12.8
February	547.5	493.6	53.9	9.9	February	374.6	328.3	46.3	12.4
March	561.1	507.3	53.8	9.6	March	381.7	337.5	44.2	11.6
April	570.5	517.7	52.8	9.3	April	386.2	343.8	42.3	11.0
May	577.9	524.0	53.9	9.3	May	388.9	347.4	41.5	10.7
June	592.9	535.7	57.2	9.7	June	398.8	354.5	44.3	11.1
July[p]	600.8	549.9	50.9	8.5	July[p]	398.6	361.1	37.6	9.4
TOLEDO[h]					**YOUNGSTOWN-WARREN[i]**				
1972	329.4	311.3	18.1	5.5	1972	226.9	212.1	14.8	6.5
1973	339.8	324.2	15.6	4.6	1973	232.5	221.8	10.8	4.6
1974	343.8	324.2	19.7	5.7	1974	236.7	223.7	13.0	5.5
1975	344.8	310.2	34.6	10.0	1975	236.7	209.8	26.9	11.4
1976	347.8	319.4	28.4	8.2	1976	234.2	210.5	23.7	10.1
1977	355.0	329.4	25.6	7.2	1977	234.0	215.0	19.0	8.1
1978	362.1	339.7	22.4	6.2	1978	235.2	217.5	17.7	7.5
1979	368.2	341.7	26.4	7.2	1979	237.1	219.9	17.1	7.2
1980	368.2	329.8	38.4	10.4	1980	238.9	210.5	28.4	11.9
1981	367.4	328.0	39.4	10.7	1981	234.0	205.7	28.2	12.1
1982	368.7	322.7	46.1	12.5	1982	237.7	191.5	46.2	19.4
1982					1982				
July	376.7	329.8	46.9	12.5	July	242.8	197.9	44.9	18.5
August	374.0	329.1	44.9	12.0	August	245.6	193.4	51.2	21.2
September	371.8	327.0	44.8	12.1	September	238.0	192.3	45.7	19.2
October	374.3	326.6	47.7	12.8	October	239.2	190.6	48.5	20.3
November	367.5	318.9	48.6	13.2	November	237.7	183.0	54.7	23.0
December	368.8	316.2	52.6	14.3	December	234.2	183.1	51.1	21.8
1983					1983				
January	359.5	307.3	52.2	14.5	January	226.6	178.1	48.4	21.4
February	360.3	306.6	53.7	14.9	February	223.8	178.7	45.1	20.1
March	366.0	311.0	55.0	15.0	March	227.9	186.2	41.7	18.3
April	368.7	320.7	47.9	13.0	April	229.9	190.3	39.5	17.2
May	379.0	328.3	50.7	13.4	May	234.3	193.8	40.5	17.3
June	381.1	332.5	48.6	12.8	June	237.1	196.8	40.4	17.0
July[p]	383.8	339.4	44.4	11.6	July[p]	237.8	203.8	34.1	14.3

---

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1972	4,510	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,830	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,087	4,660	426	8.4	7.1
1981	5,099	4,607	492	9.6	7.6
1982	5,122	4,481	640	12.5	9.7
1982					
August ..	5,249	4,590	659	12.5	9.6
September	5,136	4,505	631	12.3	9.7
October .	5,177	4,494	683	13.2	9.9
November.	5,088	4,378	710	14.0	10.4
December.	5,058	4,344	714	14.1	10.5
1983					
January .	4,942	4,204	738	14.9	11.4
February.	4,925	4,212	713	14.5	11.3
March ...	5,027	4,339	688	13.7	10.8
April ...	5,088	4,435	653	12.8	10.0
May	5,166	4,502	664	12.9	9.8
June	5,267	4,595	672	12.8	10.2
July	5,302	4,723	579	10.9	9.4
August ..	5,244	4,679	565	10.8	9.2

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.3	3,103.0
1981	4,317.6	1,232.6	3,085.1
1982	4,138.7	1,103.6	3,035.1
1982			
August ..	4,116.7	1,093.2	3,023.5
September	4,153.3	1,100.5	3,052.8
October .	4,139.2	1,073.5	3,065.7
November.	4,121.4	1,056.9	3,064.5
December.	4,102.5	1,043.9	3,058.6
1983			
January .	4,012.3	1,051.7	2,960.6
February.	4,015.0	1,056.2	2,958.8
March ...	4,036.2	1,059.4	2,976.8
April ...	4,076.0	1,069.4	3,006.6
May	4,114.2	1,074.8	3,039.4
June	4,127.4	1,078.7	3,048.7
July	4,092.8	1,076.7	3,016.1
August ..	4,085.9	1,088.2	2,997.6

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.6	726.6	203.8	830.9	689.9
1981	30.7	153.7	217.2	232.5	717.7	205.8	851.5	676.0
1982	30.7	135.5	207.6	229.3	707.3	206.4	859.7	658.6
1982								
August ..	30.1	147.7	209.3	229.4	712.5	208.4	869.2	616.8
September	31.0	147.3	208.4	229.1	715.0	207.2	874.8	640.0
October .	30.3	147.2	206.1	229.4	710.7	206.5	871.4	664.1
November.	30.3	142.2	204.6	229.0	718.4	206.8	865.8	667.3
December.	29.0	129.5	203.6	229.0	730.4	207.3	861.7	668.2
1983								
January .	28.6	112.8	195.5	226.3	687.3	205.8	847.0	657.3
February.	28.1	108.8	194.7	225.3	675.0	205.5	853.5	668.0
March ...	27.3	112.7	195.0	226.1	680.4	205.8	859.6	669.9
April ...	27.2	118.8	196.0	226.9	692.0	206.7	872.5	666.6
May	27.6	126.6	197.7	227.3	702.6	207.5	880.2	669.9
June	29.3	133.0	198.9	228.2	706.4	209.7	889.3	653.8
July	29.9	138.0	199.0	228.0	703.2	210.7	884.3	623.1
August ..	30.0	138.9	183.8	227.9	705.3	210.8	884.2	616.7

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures. All data exclude military personnel.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1972	1,346.8	948.8	398.0	979.2	$181.3	40.7
1973	1,426.3	1,018.2	408.1	1,046.7	210.8	44.3
1974	1,416.6	1,013.1	403.5	1,028.7	217.4	42.4
1975	1,267.5	892.4	375.1	897.8	201.5	36.2
1976	1,295.3	910.6	384.6	926.1	233.9	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.3	882.6	381.8	867.8	301.9	35.2
1981	1,232.6	860.4	372.2	847.7	330.4	34.7
1982	1,103.6	755.4	348.3	738.1	298.0	29.6
1982						
August ..	1,093.2	743.3	349.9	728.4	294.6	29.1
September	1,100.5	748.3	352.2	736.6	302.5	29.7
October .	1,073.5	728.5	345.0	712.1	288.1	28.4
November.	1,056.9	713.1	343.8	698.2	285.5	28.1
December.	1,043.9	701.7	342.2	687.1	286.7	28.0
1983						
January .	1,051.7	712.5	339.2	695.0	288.5	28.0
February.	1,056.2	715.7	340.5	700.2	293.6	28.3
March ...	1,059.4	719.1	340.3	703.7	298.6	28.7
April ...	1,069.4	728.0	341.5	713.7	306.8	29.3
May	1,074.8	733.1	341.7	719.6	310.8	29.6
June	1,078.7	734.6	344.1	723.6	316.8	30.0
July	1,076.7	732.9	343.7	720.5	311.7	29.5
August ..	1,088.2	740.6	347.6	731.2	316.9	30.1

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1972	$185.12	$190.19	$172.60	41.6	41.8	40.9	$4.45	$4.55	$4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	339.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1982	403.81	414.80	378.95	40.1	40.0	40.4	10.07	10.37	9.38
1982									
August ..	404.40	415.51	379.89	40.0	39.8	40.5	10.11	10.44	9.38
September	410.66	421.60	385.28	40.3	40.0	40.9	10.19	10.54	9.42
October .	404.59	416.31	378.95	39.9	39.8	40.1	10.14	10.46	9.45
November.	408.83	418.80	387.06	40.2	40.0	40.7	10.17	10.47	9.51
December.	417.18	429.14	390.46	40.7	40.6	40.8	10.25	10.57	9.57
1983									
January .	415.09	427.99	387.03	40.3	40.3	40.4	10.30	10.62	9.58
February.	419.35	433.76	386.72	40.4	40.5	40.2	10.38	10.71	9.62
March ...	424.32	437.38	393.01	40.8	40.8	40.6	10.40	10.72	9.68
April ...	429.91	444.14	397.96	41.1	41.2	40.9	10.46	10.78	9.73
May	431.96	447.69	397.80	41.1	41.3	40.8	10.51	10.84	9.75
June	437.83	452.61	402.11	41.5	41.6	41.2	10.55	10.88	9.76
July	432.55	445.67	403.60	41.0	41.0	41.1	10.55	10.87	9.82
August ..	433.42	446.61	403.91	41.2	41.2	41.3	10.52	10.84	9.78

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.7	67.4	92.7
1981	61.0	138.3	154.9	204.2	101.9	136.9	69.2	66.1	89.0
1982	54.1	113.3	135.0	179.3	93.2	122.0	66.9	63.2	80.7
1982									
August ..	54.7	112.6	131.9	175.3	92.6	117.1	69.7	62.3	80.6
September	55.0	111.4	133.0	174.1	92.0	123.3	70.9	62.3	80.7
October .	54.6	104.2	129.5	168.9	90.8	121.6	67.7	62.0	78.0
November.	53.1	100.8	128.0	166.1	90.1	117.5	66.6	62.2	78.3
December.	50.3	98.1	127.0	163.4	85.6	120.5	66.3	61.8	77.6
1983									
January .	50.2	100.2	128.3	163.2	89.5	125.1	63.9	61.6	78.0
February.	50.4	102.6	130.1	161.7	88.7	126.1	64.3	61.7	79.3
March ...	50.8	105.4	129.5	160.6	87.9	127.9	64.0	61.8	79.3
April ...	52.4	105.9	130.5	160.3	90.2	130.9	63.7	61.7	80.3
May	52.9	105.5	131.6	161.4	90.7	132.9	63.5	61.7	80.8
June	53.0	105.9	132.3	159.3	90.4	134.4	64.5	61.6	81.6
July	53.2	105.3	132.0	159.4	90.1	133.9	64.2	61.1	82.3
August ..	54.1	106.3	134.2	160.7	90.0	135.2	66.5	60.9	83.3
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1972	$175.14	$204.61	$187.87	$193.46	$164.42	$219.99	$173.43	$187.21	$180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	358.45	381.11
1982									
August ..	380.83	496.98	399.35	391.24	365.98	502.18	389.06	351.22	385.15
September	393.65	492.35	401.32	394.18	364.94	528.58	400.26	357.27	380.57
October .	386.78	477.98	401.37	399.78	374.46	502.94	387.28	355.15	368.54
November.	387.69	478.37	407.42	393.39	374.14	518.13	393.71	364.65	380.70
December.	391.35	488.67	420.65	405.42	383.60	526.87	402.66	374.74	388.69
1983									
January .	385.01	486.16	427.00	401.37	380.09	517.33	391.68	370.02	392.22
February.	381.35	500.47	433.78	405.38	379.20	529.44	384.87	362.36	397.57
March ...	387.32	487.71	441.56	407.82	380.25	543.26	389.50	371.34	406.27
April ...	388.95	497.68	451.26	411.25	384.40	549.25	396.47	369.64	411.83
May	397.85	493.96	452.28	417.91	384.96	560.33	401.58	367.52	413.10
June	400.20	496.11	463.86	424.91	392.85	563.82	408.53	371.51	414.62
July	403.44	496.50	447.79	420.09	390.34	543.97	412.29	369.27	409.36
August ..	401.80	501.43	448.10	419.69	392.85	546.05	409.46	374.12	403.92

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
AUGUST 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1983[b]	July 1983[c]	August 1982[c]	July 1983	August 1982
TOTAL	4085.9	4092.8	4116.7	- .2	- .7
MANUFACTURING	1088.2	1076.7	1093.2	1.1	- .5
Durable Goods[e]	740.6	732.9	743.3	1.0	- .4
Lumber and wood products	13.0	12.8	12.4	1.7	4.6
Furniture and fixtures	13.7	13.5	13.7	1.8	- .3
Household furniture	6.1	6.1	6.2	.7	- .2
Stone, clay, and glass products	54.1	53.2	54.7	1.6	- 1.0
Glass and glassware, pressed or blown	14.3	14.1	14.2	1.3	.4
Structural clay products	5.4	5.3	4.9	2.0	9.1
Pottery and related products	5.5	5.4	5.7	1.0	- 4.2
Primary metal industries	106.3	105.3	112.6	.9	- 5.6
Blast furnace and basic steel products	52.5	52.7	57.5	- .3	- 8.7
Iron and steel foundries	21.4	20.8	23.7	3.1	- 9.5
Nonferrous rolling and drawing	18.4	18.2	17.1	1.1	7.2
Nonferrous foundries	8.4	8.2	8.4	1.7	.2
Fabricated metal products	134.2	132.0	131.9	1.7	1.8
Cutlery, hand tools, and hardware	11.5	11.5	10.7	.3	7.7
Plumbing and heating, except electric	4.2	4.0	4.6	5.2	- 8.1
Fabricated structural metal products	31.1	30.4	31.9	2.3	- 2.5
Screw machine products, bolts, etc.	8.7	8.6	9.0	1.6	- 3.1
Metal forgings and stampings	39.5	38.7	35.7	2.1	10.8
Machinery, except electrical	160.7	159.4	175.3	.8	- 8.4
Construction and related machinery	18.1	18.2	20.8	- .7	- 12.9
Metalworking machinery	39.3	39.1	46.6	.4	- 15.8
Special industry machinery	17.3	17.2	18.4	.6	- 6.1
General industrial machinery	31.5	31.9	34.1	- 1.2	- 7.5
Electric and electronic equipment	90.0	90.1	92.6	- .2	- 2.8
Electrical industrial apparatus	18.5	18.8	20.6	- 1.5	- 10.2
Household appliances	16.9	15.9	15.0	5.8	12.1
Electric lighting and wiring equipment	17.5	17.7	18.2	- 1.5	- 3.9
Communication equipment	10.5	10.4	10.6	.8	- .9
Transportation equipment	135.2	133.9	117.1	1.0	15.5
Motor vehicles and equipment	89.3	88.1	73.0	1.3	22.3
Aircraft and parts	37.6	37.6	35.7	.0	5.2
Instruments and related products	19.9	19.6	19.7	1.3	1.0
Measuring and controlling devices	12.2	12.0	11.8	1.4	3.0
Nondurable Goods[f]	347.6	343.7	349.9	1.1	- .6
Food and kindred products	66.5	64.2	69.7	3.6	- 4.6
Meat products	10.3	10.0	11.3	3.3	- 8.8
Dairy products	11.1	10.9	11.2	1.5	- 1.1
Bakery products	10.0	10.0	10.5	.2	- 4.7
Beverages	10.7	10.6	11.1	1.9	- 3.1
Textile mill products	4.4	4.3	4.2	3.7	4.7
Apparel and other textile products	17.0	16.9	16.4	.9	3.5
Paper and allied products	34.8	34.8	35.1	.1	- .8
Paper mills, except building paper	9.0	9.0	9.0	1.1	.4
Misc. converted paper products	11.3	11.3	11.1	.4	2.0
Paperboard containers and boxes	11.4	11.5	11.7	- .4	- 2.1
Printing and publishing	60.9	61.1	62.3	- .2	- 2.2
Newspapers	18.4	18.4	18.3	.1	.4
Commercial printing	21.5	21.6	22.6	- .5	- 4.8
Chemicals and allied products	64.8	64.4	65.9	.6	- 1.7
Industrial inorganic chemicals	12.0	11.7	12.3	2.2	- 3.0
Plastics materials and synthetics	8.9	8.9	9.2	.2	- 2.7
Petroleum and coal products	10.1	10.1	9.8	.2	2.9
Rubber and misc. plastics products	83.3	82.3	80.6	1.3	3.4
Tires and inner tubes	20.8	20.7	21.9	.5	- 4.7
Miscellaneous plastics products	42.8	42.4	40.1	.9	6.7
Leather and leather products	5.6	5.7	5.7	- 1.8	- 1.6

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]

AUGUST 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1983[b]	July 1983[c]	August 1982[c]	Aug. 1983[b]	July 1983[c]	Aug. 1982[c]	Aug. 1983[b]	July 1983[c]	Aug. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$433.42	$432.55	$404.40	41.2	41.0	40.0	$10.52	$10.55	$10.11
Durable Goods[d]	446.61	445.67	415.51	41.2	41.0	39.8	10.84	10.87	10.44
Lumber and wood products	294.06	288.55	286.21	39.9	39.8	39.1	7.37	7.25	7.32
Furniture and fixtures	309.91	305.27	311.55	40.3	39.8	40.2	7.69	7.67	7.75
Household furniture	278.08	270.66	266.85	39.5	39.0	38.9	7.04	6.94	6.86
Stone, clay, and glass products	401.80	403.44	380.83	41.0	41.0	40.6	9.80	9.84	9.38
Glass and glassware, pressed or blown.	415.28	424.14	372.07	39.4	39.9	38.2	10.54	10.63	9.74
Structural clay products	312.28	297.60	294.17	42.2	40.0	41.2	7.40	7.44	7.14
Pottery and related products	318.08	322.01	302.02	36.9	37.4	37.8	8.62	8.61	7.99
Primary metal industries	501.43	496.50	496.98	40.8	40.3	39.6	12.29	12.32	12.55
Blast furnace and basic steel products	504.50	501.54	524.10	39.6	39.0	38.2	12.74	12.86	13.72
Iron and steel foundries	495.93	494.32	496.52	41.5	41.4	41.9	11.95	11.94	11.85
Nonferrous rolling and drawing	536.22	519.74	478.28	41.6	40.7	39.3	12.89	12.77	12.17
Nonferrous foundries	419.25	399.59	356.29	43.9	42.6	41.0	9.55	9.38	8.69
Fabricated metal products	448.10	447.79	399.35	41.8	41.5	39.5	10.72	10.79	10.11
Cutlery, hand tools, and hardware	449.65	456.60	381.95	40.4	40.3	37.3	11.13	11.33	10.24
Plumbing and heating, except electric.	348.47	323.53	342.02	40.9	38.7	38.3	8.52	8.36	8.93
Fabricated structural metal products .	419.58	414.59	378.58	42.0	41.5	39.6	9.99	9.99	9.56
Screw machine products, bolts, etc. ..	385.29	364.70	337.31	40.6	39.3	38.2	9.49	9.28	8.83
Metal forgings and stampings	526.18	531.29	469.90	42.4	42.3	40.3	12.41	12.56	11.66
Machinery, except electrical	419.69	420.09	391.24	40.2	40.2	39.4	10.44	10.45	9.93
Construction and related machinery	417.40	407.59	395.76	38.9	38.2	38.8	10.73	10.67	10.20
Metalworking machinery	391.93	396.17	375.72	38.2	38.5	38.3	10.26	10.29	9.81
Special industry machinery	413.34	404.09	377.87	41.5	40.9	40.5	9.96	9.88	9.33
General industrial machinery	420.62	407.55	383.94	40.6	39.8	38.9	10.36	10.24	9.87
Electric and electronic equipment	392.85	390.34	365.98	40.5	40.2	39.1	9.70	9.71	9.36
Electrical industrial apparatus	358.66	357.50	336.97	38.4	38.4	37.4	9.34	9.31	9.01
Household appliances	414.73	412.50	367.09	40.9	40.6	38.6	10.14	10.16	9.51
Electric lighting and wiring equipment	393.54	380.30	373.19	41.6	40.5	41.1	9.46	9.39	9.08
Communication equipment	451.78	451.96	407.13	42.5	42.2	38.3	10.63	10.71	10.63
Transportation equipment	546.05	543.97	502.18	43.2	42.9	41.4	12.64	12.68	12.13
Motor vehicles and equipment	569.82	566.81	530.04	43.9	43.5	42.1	12.98	13.03	12.59
Aircraft and parts	488.17	492.19	441.05	41.3	41.5	39.1	11.82	11.86	11.28
Instruments and related products	304.52	305.73	287.96	39.6	39.5	39.5	7.69	7.74	7.29
Measuring and controlling devices	297.60	302.25	280.42	38.7	38.7	38.1	7.69	7.81	7.36
Nondurable Goods[e]	403.91	403.60	379.89	41.3	41.1	40.5	9.78	9.82	9.38
Food and kindred products	409.46	412.29	389.06	42.3	42.2	41.7	9.68	9.77	9.33
Meat products	405.74	405.57	424.54	41.7	41.3	40.9	9.73	9.82	10.38
Dairy products	411.94	415.98	396.88	44.2	44.3	44.0	9.32	9.39	9.02
Bakery products	408.80	418.40	376.74	40.0	40.7	39.0	10.22	10.28	9.66
Beverages	374.24	364.50	347.10	40.9	40.5	39.0	9.15	9.00	8.90
Textile mill products	321.64	296.27	261.58	43.0	40.2	39.1	7.48	7.37	6.69
Apparel and other textile products	240.28	231.88	218.21	38.2	37.4	37.3	6.29	6.20	5.85
Paper and allied products	428.80	433.06	395.23	43.8	44.1	43.1	9.79	9.82	9.17
Paper mills, except building paper	513.23	540.08	492.67	46.7	48.7	47.1	10.99	11.09	10.46
Misc. converted paper products	382.39	383.24	350.68	42.3	42.3	41.5	9.04	9.06	8.45
Paperboard containers and boxes	393.20	388.16	358.56	42.6	42.1	41.5	9.23	9.22	8.64
Printing and publishing	374.12	369.27	351.22	37.6	37.3	36.7	9.95	9.90	9.57
Newspapers	316.87	314.59	308.38	32.6	32.2	30.9	9.72	9.77	9.98
Commercial printing	391.22	384.93	362.70	39.2	39.0	37.9	9.98	9.87	9.57
Chemicals and allied products	458.70	454.84	419.43	41.7	41.5	41.0	11.00	10.96	10.23
Industrial inorganic chemicals	496.08	492.80	444.14	42.4	42.3	41.2	11.70	11.65	10.78
Plastics materials and synthetics	504.74	501.40	458.82	43.7	43.6	42.8	11.55	11.50	10.72
Petroleum and coal products	601.34	603.50	574.22	43.2	43.2	43.7	13.92	13.97	13.14
Rubber and misc. plastics products	403.92	409.36	385.15	41.9	41.9	40.8	9.64	9.77	9.44
Tires and inner tubes	553.19	543.37	510.76	43.8	43.4	41.9	12.63	12.52	12.19
Miscellaneous plastics products	385.43	396.74	368.12	41.4	41.5	40.1	9.31	9.56	9.18
Leather and leather products	210.76	210.37	197.32	38.6	38.6	37.8	5.46	5.45	5.22

See footnotes at end of table.

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
AUGUST 1983 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1983[b]	July 1983[c]	August 1982[c]	July 1983	August 1982
NONMANUFACTURING	2997.6	3016.1	3023.5	- .6	- .9
MINING	30.0	29.9	30.1	.4	- .5
Bituminous coal and lignite mining	11.8	11.8	12.4	.2	- 4.6
CONSTRUCTION	138.9	138.0	147.7	.6	- 6.0
General building contractors	32.7	32.6	34.8	.1	- 6.2
Heavy construction contractors	23.6	23.0	27.5	2.4	- 14.4
TRANSPORTATION AND PUBLIC UTILITIES	183.8	199.0	209.3	- 7.6	- 12.2
Railroad transportation	21.2	21.3	23.6	.6	- 10.1
Transportation, except railroads	86.1	86.0	88.2	.1	- 2.4
Trucking and warehousing	61.0	60.6	63.8	.6	- 4.3
Communication, electric, gas services	76.6	91.7	97.5	- 16.5	- 21.5
Communication	36.1[h]	51.2	55.1	- 29.5	- 34.5
Electric, gas, and sanitary services	40.5	40.5	42.3	- .2	- 4.4
WHOLESALE TRADE	227.9	228.0	229.4	.0	- .6
Wholesale trade-durable goods	143.6	143.7	145.6	.0	- 1.4
Motor vehicles & automotive equipment	21.0	20.9	20.9	.1	.1
Electrical goods	18.7	18.8	18.9	- .5	- .9
Machinery, equipment, and supplies	61.5	61.7	62.0	- .2	- .7
Wholesale trade-nondurable goods	84.3	84.3	83.8	.0	.7
Groceries and related products	26.1	26.0	25.5	.2	2.2
RETAIL TRADE	705.3	703.2	712.5	.3	- 1.0
General merchandise stores	107.4	107.5	112.1	- .1	- 4.2
Department stores	98.2	98.2	102.4	.0	- 4.1
Food stores	117.1	117.1	116.8	.0	.3
Automotive dealers & service stations	76.2	76.1	77.7	.1	- 1.9
Apparel and accessory stores	32.1	31.7	33.3	1.4	- 3.4
FINANCE, INSURANCE, AND REAL ESTATE	210.8	210.7	208.4	.0	1.1
Banking	58.5	58.7	59.6	- .3	- 1.8
Credit agencies other than banks	30.9	30.9	29.8	.2	3.7
Insurance carriers	59.5	59.5	59.6	.0	- .2
SERVICES	884.2	884.3	869.2	.0	1.7
Hotels and other lodging places	30.9	30.7	31.5	.6	- 2.1
Laundry, cleaning, & garment services	16.1	16.3	16.6	- .8	- 3.1
Business services	123.8	122.9	123.2	.7	.5
Health services	328.9	327.7	316.7	.4	3.9
Hospitals	179.1	178.7	174.9	.3	2.4
GOVERNMENT	616.7	623.1	616.8	- 1.0	.0
Federal government	89.3	89.6	89.5	- .3	- .2
State government	122.6	124.3	122.0	- 1.4	.4
State government, except education	71.6	71.8	71.8	- .3	- .3
State government education[i]	50.9	52.5	50.2	- 2.9	1.4
Local government	404.8	409.2	405.2	- 1.1	- .1
Local government, except education	196.8	198.7	193.2	- 1.0	1.8
Local government education	208.0	210.5	212.0	- 1.2	- 1.9

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
AUGUST 1983 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1983[b]	July 1983[c]	August 1982[c]	Aug. 1983[b]	July 1983[c]	Aug. 1982[c]	Aug. 1983[b]	July 1983[c]	Aug. 1982[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$458.11	$462.01	$437.38	43.3	43.3	42.3	$10.58	$10.67	$10.34
Bituminous coal and lignite mining	564.16	582.94	524.75	41.3	42.8	40.9	13.66	13.62	12.83
CONSTRUCTION	572.93	583.66	560.92	37.3	37.9	37.9	15.36	15.40	14.80
General building contractors	512.88	517.41	500.98	36.4	36.8	37.0	14.09	14.06	13.54
Heavy construction contractors	568.80	577.59	603.45	38.2	39.0	40.5	14.89	14.81	14.90
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	443.20	453.84	455.30	35.8	36.6	36.6	12.38	12.40	12.44
Communication, electric, gas services ..	442.33	462.18	434.80	39.6	40.4	40.0	11.17	11.44	10.87
Communication	408.19	455.54	431.04	38.4	40.1	39.4	10.63	11.36	10.94
Electric, gas, and sanitary services .	469.34	470.09	439.82	40.6	40.7	40.8	11.56	11.55	10.78
WHOLESALE TRADE	328.94	329.33	312.31	39.3	39.3	38.7	8.37	8.38	8.07
Wholesale trade-durable goods	320.32	319.90	307.71	39.4	39.3	39.0	8.13	8.14	7.89
Motor vehicles & automotive equipment.	287.04	282.65	269.04	39.0	38.3	38.6	7.36	7.38	6.97
Electrical goods	265.41	262.92	254.00	37.7	37.4	36.6	7.04	7.03	6.94
Machinery, equipment, and supplies ...	360.28	360.77	334.84	40.3	40.4	39.3	8.94	8.93	8.52
Wholesale trade-nondurable goods	342.42	346.33	321.64	39.0	39.4	38.2	8.78	8.79	8.42
Groceries and related products	372.38	371.65	353.16	41.7	41.9	40.5	8.93	8.87	8.72
RETAIL TRADE[f]	162.84	163.99	154.88	30.1	30.2	29.5	5.41	5.43	5.25
General merchandise stores	169.16	169.02	160.87	31.5	31.3	30.7	5.37	5.40	5.24
Department stores	172.54	172.54	163.24	31.6	31.6	30.8	5.46	5.46	5.30
Food stores	227.98	227.01	224.82	32.2	32.2	31.4	7.08	7.05	7.16
Automotive dealers & service stations ..	212.36	215.43	198.55	36.3	36.7	36.7	5.85	5.87	5.41
Apparel and accessory stores	115.00	118.19	114.11	25.9	26.5	27.3	4.44	4.46	4.18
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	216.65	217.65	203.63	....	....	....	....	....	....
Credit agencies other than banks	210.11	211.97	202.82	....	....	....	....	....	....
Insurance carriers	290.40	288.92	275.76	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services ..	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	283.18	284.35	269.94	34.2	34.3	34.3	8.28	8.29	7.87
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education ...	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education ...	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
AUGUST 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1983[b]	July 1983[c]	August 1982[c]	July 1983	August 1982
TOTAL	249.2	250.2	248.3	- .4	.4
MANUFACTURING	67.6	67.6	67.9	.1	- .4
Durable Goods[e]	34.2	33.9	33.5	.7	1.9
Stone, clay, and glass products	2.0	2.0	1.7	.3	14.8
Fabricated metal products	12.2	12.1	12.2	.8	- .6
Machinery, except electrical	9.3	9.3	9.2	- .1	1.2
Special industry machinery	1.6	1.5	1.9	1.4	- 15.6
Nondurable Goods[f]	33.5	33.6	34.4	- .4	- 2.6
Food and kindred products	2.5	2.5	2.7	.2	- 4.4
Chemicals and allied products	3.0	2.9	3.2	1.3	- 6.8
Rubber and misc. plastics products	23.0	23.1	23.7	- .3	- 2.7
Tires and inner tubes	16.6	16.6	17.6	- .1	- 5.4
NONMANUFACTURING[g]	181.6	182.6	180.4	- .6	.7
CONSTRUCTION	8.0	7.9	8.0	1.2	- .8
TRANSPORTATION AND PUBLIC UTILITIES	11.8	12.8	13.3	- 8.1	- 11.3
Communication, electric, gas services	4.6[h]	5.4	5.6	- 15.2	- 18.3
WHOLESALE TRADE	12.6	12.5	12.6	.6	.5
RETAIL TRADE	46.8	46.6	46.3	.4	1.0
FINANCE, INSURANCE, AND REAL ESTATE	9.3	9.4	9.4	- .3	- .4
SERVICES	55.4	55.4	53.8	.1	2.9
GOVERNMENT	37.0	37.4	36.2	- 1.0	2.1
State government (includes education)	10.2	10.2	9.7	.3	5.9
Local government (includes education)	24.7	25.1	24.5	- 1.6	.8

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
AUGUST 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1983[b]	July 1983[c]	August 1982[c]	Aug. 1983[b]	July 1983[c]	Aug. 1982[c]	Aug. 1983[b]	July 1983[c]	Aug. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$441.34	$438.84	$393.56	42.6	42.4	40.2	$10.36	$10.35	$ 9.79
Durable Goods[d]	441.76	441.38	381.79	42.6	42.4	39.4	10.37	10.41	9.69
Stone, clay, and glass products	376.07	368.28	388.57	40.7	39.9	42.7	9.24	9.23	9.10
Fabricated metal products	490.45	494.59	390.63	42.5	42.6	38.6	11.54	11.61	10.12
Machinery, except electrical	414.04	407.68	393.95	43.4	42.6	41.6	9.54	9.57	9.47
Special industry machinery	439.01	427.85	352.56	44.3	43.0	39.0	9.91	9.95	9.04
Nondurable Goods[e]	440.48	435.02	408.29	42.6	42.4	41.2	10.34	10.26	9.91
Food and kindred products	454.95	454.72	436.50	45.0	44.8	45.0	10.11	10.15	9.70
Chemicals and allied products	477.30	471.90	434.95	43.0	42.9	42.6	11.10	11.00	10.21
Rubber and misc. plastics products	461.34	459.22	423.30	43.4	43.2	41.5	10.63	10.63	10.20
Tires and inner tubes	594.79	594.79	538.06	45.3	45.3	42.4	13.13	13.13	12.69
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	548.46	556.32	540.48	35.8	36.6	37.3	15.32	15.20	14.49
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	458.62	469.50	437.49	39.4	40.3	39.7	11.64	11.65	11.02
WHOLESALE TRADE	290.70	301.45	288.56	38.0	39.2	39.1	7.65	7.69	7.38
RETAIL TRADE[f]	176.32	177.21	171.54	30.4	30.5	30.2	5.80	5.81	5.68
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
AUGUST 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1983[b]	July 1983[c]	August 1982[c]	July 1983	August 1982
TOTAL	148.4	148.7	150.5	- .2	- 1.4
MANUFACTURING	46.5	46.4	48.5	.3	- 4.0
Durable Goods[e]	35.5	35.1	37.1	1.0	- 4.4
Stone, clay, and glass products	2.1	2.1	2.0	2.8	8.1
Primary metal industries	11.4	11.4	11.7	- .3	- 2.7
Fabricated metal products	7.7	7.5	8.7	2.6	- 11.3
Fabricated structural metal products	2.4	2.3	3.1	4.3	- 25.0
Metal forgings and stampings	2.3	2.2	2.4	4.9	- 2.3
Nondurable Goods[f]	11.1	11.3	11.4	- 1.8	- 2.7
Food and kindred products	3.9	4.0	4.3	- 3.1	- 9.2
Rubber and misc. plastics products	3.0	3.0	2.7	1.2	10.9
NONMANUFACTURING[g]	101.9	102.3	102.1	- .4	- .2
CONSTRUCTION	5.3	5.5	5.1	- 3.0	3.2
TRANSPORTATION AND PUBLIC UTILITIES	5.7	6.1	6.6	- 7.3	- 13.1
Communication, electric, gas services	2.4[h]	2.9	3.1	- 16.2	- 21.0
WHOLESALE TRADE	7.9	7.8	7.7	.2	2.6
RETAIL TRADE	26.4	26.4	26.3	.1	.2
FINANCE, INSURANCE, AND REAL ESTATE	6.5	6.5	6.5	.2	.7
SERVICES	31.5	31.6	31.0	- .2	1.9
GOVERNMENT	17.3	17.1	17.6	1.0	- 2.1
Local government (includes education)	14.4	14.2	14.6	1.1	- 1.4

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
AUGUST 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1983^b	July 1983^c	August 1982^c	Aug. 1983^b	July 1983^c	Aug. 1982^c	Aug. 1983^b	July 1983^c	Aug. 1982^c
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$422.65	$410.89	$396.41	39.5	38.8	38.3	$10.70	$10.59	$10.35
Durable Goods[d]	433.79	414.72	403.56	39.4	38.4	38.0	11.01	10.80	10.62
Stone, clay, and glass products	282.29	281.10	250.97	40.5	40.1	38.2	6.97	7.01	6.57
Primary metal industries	447.22	445.33	452.06	37.9	37.9	35.4	11.80	11.75	12.77
Fabricated metal products	507.07	448.09	441.31	41.7	39.1	40.9	12.16	11.46	10.79
Fabricated structural metal products	422.01	377.31	430.08	39.7	35.9	42.0	10.63	10.51	10.24
Metal forgings and stampings	639.56	529.42	515.30	44.6	40.6	40.8	14.34	13.04	12.63
Nondurable Goods[e]	384.24	395.81	367.93	39.9	39.9	39.1	9.63	9.92	9.41
Food and kindred products	410.50	435.20	414.32	38.4	39.6	37.7	10.69	10.99	10.99
Rubber and misc. plastics products	403.69	404.12	371.95	42.9	42.9	43.0	9.41	9.42	8.65
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	545.75	558.84	537.63	35.6	35.8	36.4	15.33	15.61	14.77
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	466.90	462.64	459.00	41.1	40.3	40.8	11.36	11.48	11.25
WHOLESALE TRADE	310.62	308.76	299.72	37.2	37.2	37.7	8.35	8.30	7.95
RETAIL TRADE[f]	161.96	162.64	151.17	30.5	30.4	29.7	5.31	5.35	5.09
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
AUGUST 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1983[b]	July 1983[c]	August 1982[c]	July 1983	August 1982
TOTAL	569.3	570.7	574.2	- .3	- .9
MANUFACTURING	146.3	144.5	147.0	1.2	- .5
Durable Goods[e]	81.3	80.3	80.0	1.3	1.6
Furniture and fixtures	2.1	2.1	2.2	.7	- 4.5
Primary metal industries	1.8	1.9	2.1	- 5.1	- 13.6
Fabricated metal products	12.6	12.4	12.5	1.0	.9
Fabricated structural metal products	3.8	3.9	4.2	- .6	- 8.6
Machinery, except electrical	21.5	21.5	22.8	.3	- 5.7
Metalworking machinery	10.4	10.4	11.3	.3	- 7.6
General industrial machinery	3.4	3.4	3.7	- 1.0	- 7.3
Electric and electronic equipment	7.6	7.8	7.7	- 2.4	- 1.8
Transportation equipment	25.3	24.4	22.6	3.6	12.0
Motor vehicles and equipment	10.2	9.3	7.8	9.3	29.5
Nondurable Goods[f]	65.0	64.3	67.0	1.1	- 3.0
Food and kindred products	14.7	14.0	15.8	4.6	- 7.5
Meat products	2.4	2.0[h]	2.4	22.6	2.5
Bakery products	2.3	2.3	2.4	1.5	- 3.2
Beverages	4.2	4.0	4.7	6.1	- 9.6
Apparel and other textile products	4.0	4.0	4.1	.0	- 1.6
Paper and allied products	5.7	5.7	5.8	.1	- 1.3
Printing and publishing	10.9[h]	10.9[h]	11.3	- .4	- 3.8
Chemicals and allied products	21.7	21.6	22.3	.5	- 2.7
Rubber and misc. plastics products	4.4	4.4	4.2	1.2	6.0
NONMANUFACTURING[g]	423.0	426.2	427.2	- .8	- 1.0
CONSTRUCTION	19.9	19.5	21.8	2.3	- 8.7
TRANSPORTATION AND PUBLIC UTILITIES	28.8	31.5	32.4	- 8.4	- 10.9
Communication, electric, gas services	11.9[h]	14.4	14.9	- 17.6	- 20.0
WHOLESALE TRADE	36.8	36.9	37.2	- .3	- 1.1
RETAIL TRADE	100.9	100.8	101.1	.1	- .2
FINANCE, INSURANCE, AND REAL ESTATE	32.2	32.3	32.6	- .2	- 1.3
Banking	7.3	7.3	7.4	- .2	- 2.1
Insurance carriers	11.1	11.1	11.5	- .5	- 4.0
SERVICES	131.2	131.2	127.7	.0	2.8
GOVERNMENT	72.8	73.6	74.1	- 1.2	- 1.8
Federal government	12.3	12.4	12.4	- 1.1	- .7
State government (includes education)	16.2	16.3	16.4	- .6	- .8
Local government	44.3	44.9	45.4	- 1.4	- 2.4
Local government, except education	22.1	22.3	22.2	- 1.1	- .4
Local government education	22.2	22.6	23.2	- 1.6	- 4.3

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
AUGUST 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1983[b]	July 1983[c]	August 1982[c]	Aug. 1983[b]	July 1983[c]	Aug. 1982[c]	Aug. 1983[b]	July 1983[c]	Aug. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$416.77	$413.91	$391.53	40.9	40.9	40.7	$10.19	$10.12	$ 9.62
Durable Goods[d]	406.00	396.96	382.59	40.6	40.3	40.4	10.00	9.85	9.47
Furniture and fixtures	326.68	311.98	267.89	41.3	40.1	36.9	7.91	7.78	7.26
Primary metal industries	406.94	400.27	329.75	37.3	37.2	34.1	10.91	10.76	9.67
Fabricated metal products	394.62	391.19	370.66	42.8	42.2	41.6	9.22	9.27	8.91
Fabricated structural metal products	366.08	353.42	347.78	41.6	41.0	41.6	8.80	8.62	8.36
Machinery, except electrical	362.55	354.88	342.71	38.9	38.7	38.9	9.32	9.17	8.81
Metalworking machinery	383.61	381.58	372.33	37.1	37.3	37.8	10.34	10.23	9.85
General industrial machinery	332.33	330.00	314.26	39.8	40.0	38.0	8.35	8.25	8.27
Electric and electronic equipment	288.04	299.14	277.81	37.9	38.9	37.9	7.60	7.69	7.33
Transportation equipment	552.69	538.00	550.32	41.4	41.1	42.3	13.35	13.09	13.01
Motor vehicles and equipment	619.05	591.93	651.73	42.9	42.1	44.7	14.43	14.06	14.58
Nondurable Goods[e]	429.52	433.47	400.93	41.3	41.6	41.0	10.40	10.42	9.78
Food and kindred products	477.14	486.21	458.89	42.3	42.8	42.1	11.28	11.36	10.90
Meat products	429.68	393.72	488.19	42.5	40.8	44.1	10.11	9.65	11.07
Bakery products	443.76	452.13	391.68	43.0	43.6	41.1	10.32	10.37	9.53
Beverages	448.17	447.10	437.31	42.4	42.1	43.6	10.57	10.62	10.03
Apparel and other textile products	213.16	212.41	220.52	36.5	37.2	39.1	5.84	5.71	5.64
Paper and allied products	392.84	375.42	354.87	42.7	41.3	41.7	9.20	9.09	8.51
Printing and publishing	427.58	404.48	374.74	40.8	39.5	38.2	10.48	10.24	9.81
Chemicals and allied products	493.12	510.62	450.17	41.3	42.2	41.3	11.94	12.10	10.90
Rubber and misc. plastics products	354.40	397.42	331.14	44.3	46.7	43.4	8.00	8.51	7.63
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	554.53	563.39	558.76	37.8	38.3	37.4	14.67	14.71	14.94
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	432.30	443.77	407.12	39.3	39.8	38.7	11.00	11.15	10.52
WHOLESALE TRADE	340.23	340.96	314.55	39.7	39.6	38.5	8.57	8.61	8.17
RETAIL TRADE[f]	165.14	165.67	157.78	31.1	31.2	30.4	5.31	5.31	5.19
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	219.30	221.93	200.06	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
AUGUST 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1983[b]	July 1983[c]	August 1982[c]	July 1983	August 1982
TOTAL	826.3	834.5	846.7	-1.0	-2.4
MANUFACTURING	210.3	210.8	221.1	-.2	-4.9
Durable Goods[e]	145.0	145.8	156.7	-.5	-7.5
Furniture and fixtures	1.6	1.7	2.0	-1.6	-19.1
Primary metal industries	23.9	23.6	26.8	1.3	-10.7
Blast furnace and basic steel products	12.2	12.2	14.1	.0	-13.7
Iron and steel foundries	5.8	5.7	6.6	3.1	-11.1
Nonferrous foundries	2.4	2.3	2.5	3.2	-6.2
Fabricated metal products	31.5	31.2	33.1	1.0	-4.8
Fabricated structural metal products	4.0	3.8	4.1	3.5	-3.9
Screw machine products, bolts, etc.	4.6	4.6	4.9	.0	-5.5
Metal forgings and stampings	10.3	10.3	11.2	.6	-8.0
Machinery, except electrical	31.8	31.9	37.2	-.6	-14.7
Construction and related machinery	5.4	5.6	6.2	-2.0	-11.5
Metalworking machinery	10.7	10.5	13.0	1.7	-17.6
Special industry machinery	3.0	3.1	3.5	-2.3	-12.1
General industrial machinery	2.3	2.5	3.1	-5.6	-25.0
Electric and electronic equipment	23.2	23.2	23.9	-.1	-3.1
Electrical industrial apparatus	7.7	7.8	8.6	-1.7	-10.6
Transportation equipment	19.3	20.4	19.4	-5.4	-.6
Motor vehicles and equipment	13.2	14.1	12.8	-5.8	3.2
Instruments and related products	5.6	5.6	5.8	-.2	-4.6
Nondurable Goods[f]	65.3	65.0	64.4	.4	1.4
Food and kindred products	8.1	8.1	7.9	.4	3.5
Bakery products	1.7	1.7	1.8	-1.5	-5.8
Beverages	1.6	1.7	1.6	-1.0	2.2
Apparel and other textile products	5.4	5.3	5.1	.4	4.6
Paper and allied products	5.0	5.1	5.0	-2.0	-.1
Printing and publishing	15.3	15.3	14.9	-.2	2.5
Chemicals and allied products	14.7	14.7	15.2	.1	-3.1
Industrial inorganic chemicals	3.6	3.5	3.9	.5	-8.4
Rubber and misc. plastics products	10.7	10.4	10.3	2.9	3.5
NONMANUFACTURING[g]	616.0	623.7	625.7	-1.2	-1.5
CONSTRUCTION	26.1	26.2	26.7	-.5	-2.3
TRANSPORTATION AND PUBLIC UTILITIES	37.2	42.2	44.0	-11.9	-15.4
Communication, electric, gas services	14.6[h]	19.6	20.5	-25.6	-28.8
WHOLESALE TRADE	59.9	60.1	60.8	-.4	-1.6
RETAIL TRADE	132.2	132.4	135.1	-.2	-2.2
FINANCE, INSURANCE, AND REAL ESTATE	48.5	48.4	48.9	.2	-.9
Banking	13.1	13.2	13.7	-.1	-4.4
Insurance carriers	12.1	12.1	12.3	.1	-1.4
SERVICES	196.1	196.5	192.9	-.2	1.7
GOVERNMENT	115.0	116.8	115.9	-1.5	-.8
Federal government	19.3	19.4	19.4	-.4	-.3
State government (includes education)	7.3	7.5	7.3	-2.3	.1
Local government	88.4	89.9	89.3	-1.7	-1.0
Local government, except education	51.2	51.5	49.6	-.7	3.1
Local government education	37.2	38.4	39.6	-3.0	-6.1

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
AUGUST 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1983[b]	July 1983[c]	August 1982[c]	Aug. 1983[b]	July 1983[c]	Aug. 1982[c]	Aug. 1983[b]	July 1983[c]	Aug. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$426.18	$423.46	$408.22	40.9	40.6	40.1	$10.42	$10.43	$10.18
Durable Goods[d]	449.49	446.76	430.40	41.2	40.8	40.3	10.91	10.95	10.68
Furniture and fixtures	312.24	312.37	329.80	38.5	38.9	41.8	8.11	8.03	7.89
Primary metal industries	508.00	510.46	527.26	41.1	41.1	41.0	12.36	12.42	12.86
Blast furnace and basic steel products	471.78	471.78	517.13	36.8	36.8	37.5	12.82	12.82	13.79
Iron and steel foundries	646.78	658.88	676.32	46.1	46.4	48.0	14.03	14.20	14.09
Nonferrous foundries	354.28	364.32	341.73	41.1	41.4	39.1	8.62	8.80	8.74
Fabricated metal products	424.54	411.37	408.80	40.9	39.9	40.0	10.38	10.31	10.22
Fabricated structural metal products	348.04	361.67	351.02	38.8	39.7	41.2	8.97	9.11	8.52
Screw machine products, bolts, etc.	416.97	395.69	347.62	41.0	40.5	38.2	10.17	9.77	9.10
Metal forgings and stampings	514.00	498.15	510.05	42.2	41.0	41.4	12.18	12.15	12.32
Machinery, except electrical	433.36	442.00	399.75	40.2	40.7	39.0	10.78	10.86	10.25
Construction and related machinery	467.19	469.20	433.74	38.9	39.1	38.9	12.01	12.00	11.15
Metalworking machinery	418.94	422.54	366.38	39.3	39.9	37.5	10.66	10.59	9.77
Special industry machinery	449.15	446.62	420.03	40.5	40.2	39.0	11.09	11.11	10.77
General industrial machinery	385.60	380.16	394.13	40.0	40.4	39.1	9.64	9.41	10.08
Electric and electronic equipment	370.89	373.35	348.04	39.0	39.3	38.8	9.51	9.50	8.97
Electrical industrial apparatus	349.77	347.72	333.87	35.8	35.7	35.9	9.77	9.74	9.30
Transportation equipment	578.56	560.73	532.52	45.2	43.4	43.4	12.80	12.92	12.27
Motor vehicles and equipment	623.10	601.04	566.77	46.5	44.0	43.8	13.40	13.66	12.94
Instruments and related products	359.84	363.69	329.27	41.6	41.9	40.6	8.65	8.68	8.11
Nondurable Goods[e]	369.04	365.71	346.90	40.2	40.1	39.6	9.18	9.12	8.76
Food and kindred products	381.60	388.96	386.69	40.9	41.6	42.4	9.33	9.35	9.12
Bakery products	365.72	390.26	391.00	38.7	40.4	40.9	9.45	9.66	9.56
Beverages	348.06	349.45	318.40	40.9	41.7	39.8	8.51	8.38	8.00
Apparel and other textile products	273.31	268.03	242.00	39.1	38.4	36.5	6.99	6.98	6.63
Paper and allied products	414.04	400.79	363.60	43.4	42.1	40.4	9.54	9.52	9.00
Printing and publishing	367.39	361.64	349.20	35.6	35.7	36.0	10.32	10.13	9.70
Chemicals and allied products	449.82	445.77	414.73	42.0	41.7	40.9	10.71	10.69	10.14
Industrial inorganic chemicals	486.22	488.64	396.92	41.7	41.8	38.8	11.66	11.69	10.23
Rubber and misc. plastics products	328.18	335.02	313.58	41.7	42.3	41.7	7.87	7.92	7.52
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	687.36	689.89	638.06	38.4	38.2	38.6	17.90	18.06	16.53
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	484.31	487.63	464.84	38.9	40.2	39.9	12.45	12.13	11.65
WHOLESALE TRADE	347.13	338.77	334.38	39.9	39.3	39.2	8.70	8.62	8.53
RETAIL TRADE[f]	175.23	177.61	167.30	29.6	29.9	29.3	5.92	5.94	5.71
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	246.61	247.74	233.71	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
AUGUST 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1983[b]	July 1983[c]	August 1982[c]	July 1983	August 1982
TOTAL	497.1	498.5	494.4	- .3	.5
MANUFACTURING	88.0	87.2	86.2	.9	2.2
Durable Goods[e]	56.9	56.0	54.3	1.5	4.7
Stone, clay, and glass products	9.3	9.2	9.3	1.6	.4
Fabricated metal products	9.9	9.7	9.0	2.1	10.7
Machinery, except electrical	10.2	10.2	10.3	.1	- .8
Electric and electronic equipment	10.5	10.2	10.8	2.2	- 3.0
Transportation equipment	8.4	8.2	6.8	2.9	22.8
Nondurable Goods[f]	31.2	31.2	31.9	- .1	- 2.1
Food and kindred products	10.0	10.0	10.2	.5	- 1.5
Printing and publishing	7.8	7.9	8.3	- .9	- 5.5
Chemicals and allied products	6.0	6.0	5.9	.4	2.1
Rubber and misc. plastics products	2.6	2.6	2.7	1.7	- 4.1
NONMANUFACTURING[g]	409.1	411.3	408.3	- .5	.2
CONSTRUCTION	15.3	15.2	16.4	.8	- 6.3
TRANSPORTATION AND PUBLIC UTILITIES	19.5	22.2	23.4	- 12.0	- 16.7
Communication, electric, gas services	7.9[h]	10.6	11.3	- 25.7	- 30.3
WHOLESALE TRADE	27.3	27.3	27.2	.2	.5
RETAIL TRADE	93.4	92.3	93.1	1.2	.4
FINANCE, INSURANCE, AND REAL ESTATE	43.2	42.9	41.6	.5	3.8
Banking	8.6	8.5	8.3	.4	3.2
Insurance carriers	17.7	17.6	17.7	.2	- .2
SERVICES	113.1	113.5	110.5	- .4	2.3
GOVERNMENT	96.6	97.1	95.4	- .6	1.2
Federal government	11.2	11.3	11.4	- 1.0	- 1.5
State government	44.1	44.3	44.0	- .4	.4
State government, except education	28.6	28.6	29.0	.0	- 1.3
State government education[i]	15.5	15.7	15.0	- 1.1	3.6
Local government	41.2	41.5	40.1	- .7	2.9
Local government, except education	21.2	21.2	19.6	.1	8.0
Local government education	20.0	20.4	20.4	- 1.5	- 2.0

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
AUGUST 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1983[b]	July 1983[c]	August 1982[c]	Aug. 1983[b]	July 1983[c]	Aug. 1982[c]	Aug. 1983[b]	July 1983[c]	Aug. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$404.97	$406.62	$372.24	40.7	40.5	39.6	$ 9.95	$10.04	$ 9.40
Durable Goods[d]	422.06	424.85	385.52	40.7	40.5	39.5	10.37	10.49	9.76
Stone, clay, and glass products	379.99	391.15	351.66	39.5	40.2	38.9	9.62	9.73	9.04
Fabricated metal products	492.38	505.47	437.97	41.1	41.5	39.0	11.98	12.18	11.23
Machinery, except electrical	402.80	408.92	367.20	42.4	42.2	40.0	9.50	9.69	9.18
Electric and electronic equipment	425.85	417.73	385.92	42.5	41.4	40.2	10.02	10.09	9.60
Transportation equipment	520.26	503.42	468.86	43.5	41.4	41.9	11.96	12.16	11.19
Nondurable Goods[e]	368.65	369.36	346.26	40.6	40.5	39.8	9.08	9.12	8.70
Food and kindred products	374.64	377.36	347.32	42.0	42.4	41.2	8.92	8.90	8.43
Printing and publishing	428.64	438.14	398.11	37.6	38.0	37.7	11.40	11.53	10.56
Chemicals and allied products	408.82	406.00	384.56	40.8	40.6	40.1	10.02	10.00	9.59
Rubber and misc. plastics products	308.13	305.56	317.26	42.5	41.8	42.7	7.25	7.31	7.43
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	479.33	485.20	498.13	36.9	37.7	38.2	12.99	12.87	13.04
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	448.78	475.61	444.77	38.0	39.9	39.5	11.81	11.92	11.26
WHOLESALE TRADE	305.66	316.37	302.24	39.8	40.2	39.1	7.68	7.87	7.73
RETAIL TRADE[f]	169.12	171.05	154.08	30.2	30.6	28.8	5.60	5.59	5.35
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	238.71	238.32	226.37	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
AUGUST 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1983[b]	July 1983[c]	August 1982[c]	July 1983	August 1982
TOTAL	330.9	330.8	332.2	.0	- .4
MANUFACTURING	87.0	85.7	86.4	1.5	.7
Durable Goods[e]	60.2	59.2	60.4	1.8	- .3
Stone, clay, and glass products	2.1	2.1	1.9	- 1.9	8.3
Fabricated metal products	6.8	6.8	6.6	.6	3.6
Machinery, except electrical	28.0	27.0	28.9	3.8	- 3.1
Metalworking machinery	5.9	5.7	6.5	3.2	- 8.8
Electric and electronic equipment	4.6	4.5	4.6	1.0	- .8
Electrical industrial apparatus	2.6	2.6	2.7	.5	- 6.0
Transportation equipment	12.9	13.0	12.7	- .4	1.9
Nondurable Goods[f]	26.8	26.5	26.0	1.0	2.9
Food and kindred products	3.0	2.9	2.9	3.8	1.9
Paper and allied products	5.3	5.2	5.1	1.4	2.2
Printing and publishing	7.3	7.3	7.2	.3	1.5
Rubber and misc. plastics products	7.7	7.7	7.4	.2	4.4
NONMANUFACTURING[g]	243.9	245.1	245.8	- .5	- .8
CONSTRUCTION	9.8	9.8	10.3	.0	- 4.9
TRANSPORTATION AND PUBLIC UTILITIES	11.2	12.3	13.1	- 8.8	- 14.3
Communication, electric, gas services	4.6[h]	5.8	6.7	- 19.8	- 31.1
WHOLESALE TRADE	16.5	16.5	16.6	- .3	- .7
RETAIL TRADE	54.6	54.4	55.5	.5	- 1.5
FINANCE, INSURANCE, AND REAL ESTATE	13.8	13.8	13.6	- .1	1.6
SERVICES	75.9	75.5	74.0	.5	2.5
GOVERNMENT	61.8	62.5	62.5	- 1.1	- 1.0
Federal government	26.3	26.4	26.5	- .2	- .8
State government (includes education)	5.1	5.4	5.0	- 4.8	1.9
Local government	30.4	30.8	30.9	- 1.2	- 1.6
Local government, except education	13.4	13.5	13.3	- .7	.4
Local government education	17.0	17.3	17.6	- 1.6	- 3.2

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
AUGUST 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1983[b]	July 1983[c]	August 1982[c]	Aug. 1983[b]	July 1983[c]	Aug. 1982[c]	Aug. 1983[b]	July 1983[c]	Aug. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$453.26	$451.31	$405.02	42.4	42.1	40.3	$10.69	$10.72	$10.05
Durable Goods[d]	458.39	452.41	407.84	42.8	42.4	40.5	10.71	10.67	10.07
Stone, clay, and glass products	375.20	371.84	406.27	38.8	39.1	38.4	9.67	9.51	10.58
Fabricated metal products	346.36	321.40	328.55	40.7	39.1	39.3	8.51	8.22	8.36
Machinery, except electrical	481.34	466.75	429.11	43.6	42.9	41.3	11.04	10.88	10.39
Metalworking machinery	455.80	441.58	399.56	43.0	42.5	39.6	10.60	10.39	10.09
Electric and electronic equipment	316.78	310.46	302.84	40.2	39.2	39.9	7.88	7.92	7.59
Electrical industrial apparatus	330.06	320.50	317.15	39.2	38.2	39.3	8.42	8.39	8.07
Transportation equipment	594.95	595.82	494.40	44.3	44.2	40.0	13.43	13.48	12.36
Nondurable Goods[e]	440.08	450.53	399.40	41.4	41.6	39.9	10.63	10.83	10.01
Food and kindred products	388.23	386.28	383.46	39.9	39.7	38.5	9.73	9.73	9.96
Paper and allied products	381.29	394.31	361.23	41.9	43.0	42.2	9.10	9.17	8.56
Printing and publishing	419.34	420.92	383.91	38.9	38.3	38.2	10.78	10.99	10.05
Rubber and misc. plastics products	546.99	575.53	482.40	42.7	43.9	40.2	12.81	13.11	12.00
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	525.67	544.66	548.63	37.9	39.1	39.3	13.87	13.93	13.96
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	445.74	467.08	428.97	39.1	40.3	39.5	11.40	11.59	10.86
WHOLESALE TRADE	337.02	336.98	318.17	41.1	41.5	41.7	8.20	8.12	7.63
RETAIL TRADE[f]	160.73	161.87	149.94	30.1	30.2	29.4	5.34	5.36	5.10
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
AUGUST 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1983[b]	July 1983[c]	August 1982[c]	July 1983	August 1982
TOTAL	279.9	279.5	278.9	.1	.3
MANUFACTURING	70.8	69.4	69.8	2.0	1.5
Durable Goods[e]	54.7	53.6	53.4	2.2	2.5
Stone, clay, and glass products	11.7	11.8	12.4	-.6	-5.9
Primary metal industries	3.9	3.8	3.9	2.4	-.5
Fabricated metal products	8.1	7.8	7.3	2.7	10.6
Metal forgings and stampings	3.9	3.7	3.3	3.2	17.0
Machinery, except electrical	5.7	5.8	6.4	-1.8	-12.2
General industrial machinery	1.6	1.6	1.8	.3	-12.4
Transportation equipment	18.0	17.0	15.9	5.9	12.9
Motor vehicles and equipment	16.8	15.8	14.8	6.2	13.8
Nondurable Goods[f]	16.1	15.9	16.4	1.7	-1.7
Food and kindred products	4.4	4.2	4.8	3.8	-10.0
Rubber and misc. plastics products	3.8	3.7	3.2	2.5	16.0
NONMANUFACTURING[g]	209.0	210.1	209.1	-.5	.0
CONSTRUCTION	10.8	10.8	10.7[h]	-.7	.3
TRANSPORTATION AND PUBLIC UTILITIES	16.7	17.5	18.2	-4.7	-8.6
Communication, electric, gas services	6.6[h]	7.5	7.8	-11.9	-15.3
WHOLESALE TRADE	14.2	14.3	14.5	-.3	-1.9
RETAIL TRADE	49.8	49.6	50.7	.3	-1.8
FINANCE, INSURANCE, AND REAL ESTATE	11.1	11.1	10.8	-.2	2.6
SERVICES	66.2	65.8	64.3	.5	2.8
GOVERNMENT	39.8	40.4	39.3	-1.6	1.1
State government (includes education)	11.3	11.7	11.4	-3.2	-.7
Local government	25.8	26.0	25.2	-1.0	2.2
Local government, except education	11.8	12.0	11.3	-1.2	4.9
Local government education	13.9	14.0	13.9	-.8	.0

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
AUGUST 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1983[b]	July 1983[c]	August 1982[c]	Aug. 1983[b]	July 1983[c]	Aug. 1982[c]	Aug. 1983[b]	July 1983[c]	Aug. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$476.58	$467.60	$451.67	42.4	41.9	41.4	$11.24	$11.16	$10.91
Durable Goods[d]	496.17	484.99	469.99	42.7	42.1	41.3	11.62	11.52	11.38
Stone, clay, and glass products	483.64	482.08	468.57	42.8	42.7	42.1	11.30	11.29	11.13
Primary metal industries	488.88	458.74	406.72	45.1	43.4	41.0	10.84	10.57	9.92
Fabricated metal products	460.75	447.12	432.63	42.9	41.4	39.8	10.74	10.80	10.87
Metal forgings and stampings	518.84	500.07	478.00	43.6	42.2	40.0	11.90	11.85	11.95
Machinery, except electrical	436.40	421.22	422.94	40.9	39.7	39.9	10.67	10.61	10.60
General industrial machinery	466.89	459.00	470.26	39.5	38.8	40.4	11.82	11.83	11.64
Transportation equipment	569.78	555.50	553.78	43.1	42.6	42.5	13.22	13.04	13.03
Motor vehicles and equipment	567.60	555.08	552.90	43.0	42.6	42.4	13.20	13.03	13.04
Nondurable Goods[e]	408.20	405.66	393.65	41.4	41.1	41.7	9.86	9.87	9.44
Food and kindred products	452.69	454.92	394.25	44.6	44.6	44.1	10.15	10.20	8.94
Rubber and misc. plastics products	320.19	320.15	332.02	39.0	38.9	39.2	8.21	8.23	8.47
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	616.19	646.94	622.51	36.7	38.6	39.6	16.79	16.76	15.72
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	512.02	486.21	476.08	41.9	41.1	40.9	12.22	11.83	11.64
WHOLESALE TRADE	334.57	333.50	326.80	38.5	38.6	38.0	8.69	8.64	8.60
RETAIL TRADE[f]	164.54	166.50	159.25	29.7	30.0	29.6	5.54	5.55	5.38
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
AUGUST 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	August 1983[b]	July 1983[c]	August 1982[c]	July 1983	August 1982
TOTAL	181.3	182.8	178.6	- .8	1.5
MANUFACTURING	54.0	55.0	50.6	- 1.8	6.8
Durable Goods[e]	48.9	49.9	45.6	- 2.1	7.3
Stone, clay, and glass products	1.9	1.7	1.6	11.2	20.5
Primary metal industries	23.1	22.8	23.5	1.3	- 1.8
Blast furnace and basic steel products	9.4	9.4	11.3	- .1	- 16.3
Fabricated metal products	8.8	8.7	8.0	.8	9.9
Fabricated structural metal products	2.5	2.4	2.4	1.7	3.7
Machinery, except electrical	3.5	3.7	4.8	- 4.8	- 26.9
Metalworking machinery	1.4	1.7	2.5	- 15.2	- 42.0
Electric and electronic equipment	2.1	2.6	2.8	- 18.1	- 24.6
Transportation equipment	8.0	9.1	3.1	- 11.6	155.0
Nondurable Goods[f]	5.1	5.1	5.0	1.7	2.3
NONMANUFACTURING[g]	127.3	127.8	128.0	- .4	- .6
CONSTRUCTION	5.4	5.2	5.8	3.4	- 7.1
TRANSPORTATION AND PUBLIC UTILITIES	7.3	7.9	8.4	- 7.5	- 12.1
Communication, electric, gas services	2.7[h]	3.2	3.4	- 16.4	- 20.4
WHOLESALE TRADE	7.9	8.0	8.1	- .4	- 1.9
RETAIL TRADE	34.8	34.8	36.2	.1	- 3.9
FINANCE, INSURANCE, AND REAL ESTATE	7.3	7.3	7.2	- .1	2.3
SERVICES	41.3	41.3	39.8	- .1	3.8
GOVERNMENT	22.2	22.2	21.6	.0	2.7
Local government (includes education)	17.3	17.1	16.8	1.0	3.1

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
AUGUST 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	August 1983[b]	July 1983[c]	August 1982[c]	Aug. 1983[b]	July 1983[c]	Aug. 1982[c]	Aug. 1983[b]	July 1983[c]	Aug. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$504.27	$535.46	$441.16	41.3	42.7	37.9	$12.21	$12.54	$11.64
Durable Goods[d]	519.58	551.26	454.36	41.6	43.0	37.8	12.49	12.82	12.02
Stone, clay, and glass products	348.69	358.42	309.76	38.7	39.3	35.2	9.01	9.12	8.80
Primary metal industries	522.86	524.40	476.84	40.5	40.0	36.4	12.91	13.11	13.10
Blast furnace and basic steel products	500.54	519.29	484.05	39.6	39.4	35.0	12.64	13.18	13.83
Fabricated metal products	584.77	630.67	451.24	44.2	45.8	38.7	13.23	13.77	11.66
Fabricated structural metal products	415.20	421.47	348.65	40.0	39.5	36.7	10.38	10.67	9.50
Machinery, except electrical	434.59	471.24	426.73	37.4	39.5	37.4	11.62	11.93	11.41
Metalworking machinery	449.61	511.70	458.93	38.2	42.5	39.7	11.77	12.04	11.56
Electric and electronic equipment	388.24	404.06	393.66	40.4	41.4	40.5	9.61	9.76	9.72
Transportation equipment	569.33	663.80	530.93	44.1	49.5	43.2	12.91	13.41	12.29
Nondurable Goods[e]	350.34	356.84	333.45	39.1	39.3	39.0	8.96	9.08	8.55
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	554.76	585.52	573.35	36.0	37.8	38.3	15.41	15.49	14.97
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	443.35	460.35	433.52	39.2	40.1	39.7	11.31	11.48	10.92
WHOLESALE TRADE	324.32	317.55	323.84	36.4	35.6	37.7	8.91	8.92	8.59
RETAIL TRADE[f]	166.84	168.26	157.24	29.9	30.1	29.5	5.58	5.59	5.33
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

Ohio Labor Market Information
BUREAU OF EMPLOYMENT SERVICES
JOB SERVICE OF OHIO
RICHARD F. CELESTE, *Governor*
DR. ROBERTA STEINBACHER, *Administrator*

10/25/83 S 6270-1 a

EMPLOYMENT, HOURS, AND EARNINGS IN OHIO
SEPTEMBER 1983

The number of jobless Ohioans, at 568,000 in September, represented 11.1 percent of the civilian labor force--up from 565,000 (10.8 percent) in August. Total employment slipped to 4,555,000. Seasonal gains in public and private schools, coupled with recalls of factory workers, boosted nonagricultural payroll employment 1.8 percent, to 4,159,000.

Employment in Ohio's manufacturing industries advanced 1.6 percent from August, to 1,107,000 in September. Auto manufacturers recalled several thousand workers upon completion of retooling for the 1984 models, although material shortages effected a temporary shutdown at one large facility. Suppliers of automotive components--engine castings, stampings, plastic parts, wire--also reported recalls in September. More orders boosted employment in the production of electric lighting equipment and nonelectrical machinery. Food processors added temporary personnel for their vegetable canning operations, while a dispute settlement restored employment in commercial printing.

Nonmanufacturing employment in Ohio totaled 3,052,000 in September, 1.9 percent above the previous month. Most of the increase occurred as schools and colleges added auxiliary personnel for the new academic year. Strike settlements in the telephone communication industry were responsible for the gain in transportation-utilities. Outdoor amusements, however, dipped seasonally, while terminations of some summer jobs programs were reported among several state and local government agencies.

Average weekly earnings of Ohio's factory production workers rose $11 from August, to a record $444.56 in September. Stepped-up production schedules with widespread overtime increases boosted the average workweek to 41.9 hours --longest in nearly three years. More premium overtime lifted earnings in the production of communication equipment, metal fasteners, and most nonelectrical machinery industries. Producers of motor vehicles and various automotive supplies reported recalls of relatively high-paid workers in addition to stepped-up overtime in September.

Unemployment in Ohio declined by some 63,000 between September 1982 and September 1983, lowering the jobless rate from 12.3 to 11.1 percent. Nonfarm payroll employment stood fractionally above the September 1982 figure. Gains in transportation equipment, plastics, and fabricated metals boosted factory employment, although nonelectrical machinery continued to lag below its prior-year level. Nonmanufacturing was relatively unchanged, as increases in services offset losses elsewhere. Factory production workers averaged 1.6 hours more per week in September 1983 than in September 1982, as gross weekly earnings climbed $34 over the year.

For additional information, write DIXIE SOMMERS, *Director*
Division of Labor Market Information, BUREAU OF EMPLOYMENT SERVICES, COLUMBUS 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MAJOR METROPOLITAN AREAS

Akron.--Nonfarm payroll employment in Akron totaled 255,300 in September, up 6,200 from August. The increase was concentrated in nonmanufacturing, reflecting seasonal hiring in schools and universities, as well as settlement of a dispute in telecommunications. Manufacturing gained 300, to 68,000 for the month. Hourly earnings of factory production workers rose 20¢, to $10.60 an hour. Their average workweek, at 43.7 hours, was up .8 hours from August.

Canton.--September nonfarm wage and salary employment in the Canton area, at 150,300, was 2,300 above August. Over three-fourths of the increase occurred in nonmanufacturing, reflecting widespread seasonal gains as well as a strike settlement in communications. Manufacturing increased 400, to 46,500 for the month, due to rehiring in food and kindred products. Production workers in factories grossed $10.75 per hour--on par with August--for a workweek of 40.3 hours, up 1.1 hours from the previous month.

Cincinnati.--Cincinnati's nonagricultural wage and salary employment increased 8,000 from August, to 577,600 in September. Gains in education, boosted by settlement of a strike in telephone communication, lifted nonmanufacturing. Manufacturing slipped 800, to 145,600 in September, as gains among several nondurable-goods industries moderated layoffs in motor vehicle production. The workweek for the average production worker, at 41.1 hours, was up .3 hours from August. Average hourly earnings, at $10.07, were down 11¢ from the previous month.

Cleveland.--Nonagricultural payroll employment in the Cleveland area increased 9,700 from August, to 837,000 in September. Increases in durable-goods industries lifted manufacturing to 215,000, up 4,000 for the month. Settlement of a labor-management dispute in telephone services raised nonmanufacturing. Average hourly earnings of factory production workers were up 11¢, to $10.53 in September. The average factory workweek, at 41.6 hours, was longer by .6 hours.

Columbus.--Nonfarm establishments in Columbus employed 502,500 wage and salary workers in September, up 5,700 from August. Growth in nonmanufacturing--due largely to settlement of a strike in telephone communication--accounted for most of the gain. Expansion in durable-goods production raised manufacturing by 800, to 88,800 in September. Hourly earnings of the average production worker, at $10.04, were up 9¢ from August. The average workweek was extended by .4 hours, to 40.9 in September.

Dayton.--Nonfarm payrolls in Dayton totaled 339,700 in September, up 8,900 from August. Manufacturing rose 2,200, to 88,000, with the greatest gain reported in nonelectrical machinery. Settlement of a dispute in telecommunications and gains in public and private education lifted nonmanufacturing. Hourly earnings of factory production workers rose 22¢, to $10.80 an hour. The average workweek, at 42.8 hours, was up .7 hours from August.

Toledo.--Nonfarm establishments in Toledo employed 287,500 workers in September, up 8,000 from August. Strike settlements, augmented by returns of nonteaching school and college personnel boosted nonmanufacturing for the month. Seasonal hiring in food canning accounted for much of the 1,500 increase in manufacturing--to 72,000 in September. The workweek of the average factory production worker, at 43.3 hours, was up .7 hours from the previous month, while gross earnings, at $11.22 per hour, were down 3¢ from August.

Youngstown-Warren.--The Youngstown-Warren area's payroll employment, at 186,400 in September, was 5,100 above August. The gain in manufacturing--up 2,500, to 56,800--was due largely to recalls in motor vehicles. Seasonal increases in school employment accounted for most of the advance in nonmanufacturing. Average hourly earnings of factory production workers were up 12¢, to $12.37 an hour. The average workweek, at 42.3 hours, was 1.0 hour longer in September.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216 10-19-83

EMPLOYMENT IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT (in thousands)							
1972	248.1	139.8	512.0	838.0	431.6	325.5	272.4	201.1
1973	255.1	147.9	534.5	865.2	451.0	335.6	285.8	211.6
1974	259.0	152.1	542.2	879.2	457.6	334.9	285.6	213.5
1975	248.4	145.0	531.2	850.6	445.4	321.4	275.5	200.7
1976	247.3	145.9	541.9	860.0	456.1	331.5	282.6	203.5
1977	259.3	149.8	562.1	880.9	471.6	343.1	292.1	208.0
1978	266.6	156.1	591.2	905.8	493.8	358.5	302.1	210.3
1979	270.9	160.7	607.4	919.8	507.3	364.9	306.0	213.9
1980	262.4	157.1	600.6	895.6	509.8	355.7	293.1	203.1
1981	259.6	156.6	592.2	880.7	506.6	352.5	290.9	198.7
1982	250.8	149.7	575.5	847.5	497.9	337.0	282.2	182.2
1982								
September	253.0	150.3	580.3	846.0	497.3	338.9	285.2	182.4
October .	252.5	148.3	579.0	842.3	503.5	338.1	285.5	180.3
November.	251.7	147.9	576.9	840.5	503.8	335.7	284.6	177.3
December.	250.4	147.3	574.8	837.3	504.0	336.4	282.8	177.8
1983								
January .	243.4	144.5	561.1	815.6	491.5	330.3	277.4	175.6
February.	245.9	144.6	558.8	816.5	492.0	330.6	275.8	176.2
March ...	247.0	145.0	561.7	820.8	494.2	332.3	274.4	179.5
April ...	248.9	146.6	570.4	825.8	497.9	334.0	279.8	181.0
May	251.5	148.1	574.4	831.3	501.4	335.6	284.4	183.5
June	247.5	149.0	576.4	840.2	504.2	337.0	283.1	183.2
July	250.2	148.7	570.7	834.5	498.5	330.8	279.5	182.8
August ..	249.1	148.0	569.6	827.4	496.8	330.8	279.5	181.3
September	255.3	150.3	577.6	837.0	502.5	339.7	287.5	186.4
	MANUFACTURING EMPLOYMENT (in thousands)							
1972	91.3	57.4	155.9	273.9	100.8	114.3	88.8	87.9
1973	94.0	61.7	165.5	288.1	106.0	117.7	93.4	93.0
1974	94.2	62.2	166.6	287.1	104.3	113.1	89.8	92.0
1975	84.5	55.3	153.9	260.3	93.1	100.1	80.7	80.8
1976	80.3	54.8	155.6	265.1	94.2	104.0	84.8	80.6
1977	85.6	56.0	161.1	270.8	98.9	109.2	88.2	81.1
1978	85.9	57.1	169.2	275.6	101.2	112.0	90.5	79.4
1979	85.6	59.1	173.1	276.3	101.1	109.5	88.6	79.9
1980	79.1	55.7	162.4	254.9	96.8	99.4	75.4	70.8
1981	75.7	54.8	157.3	246.8	93.1	97.8	74.6	67.3
1982	68.8	48.2	147.2	224.1	86.7	87.9	68.8	53.4
1982								
September	68.3	47.9	147.9	222.3	86.5	87.6	70.1	52.8
October .	67.4	45.8	147.0	216.1	86.3	85.8	67.4	51.4
November.	66.5	45.2	147.0	213.7	85.7	82.9	66.8	47.6
December.	65.3	44.7	145.0	210.3	84.6	83.4	65.4	48.6
1983								
January .	66.2	45.0	143.8	210.3	84.7	84.0	66.4	50.0
February.	67.1	45.3	142.6	210.5	85.8	84.7	65.5	50.9
March ...	67.0	45.2	142.7	210.7	85.9	85.1	62.7	53.7
April ...	67.3	45.3	143.8	210.8	86.6	85.8	66.2	54.3
May	67.2	45.7	143.6	211.4	86.9	86.2	68.3	54.8
June	67.0	46.4	145.0	212.4	87.2	86.5	69.4	54.3
July	67.6	46.4	144.5	210.8	87.2	85.7	69.4	55.0
August ..	67.7	46.1	146.4	211.1	88.0	86.6	70.5	54.3
September	68.0	46.5	145.6	215.0	88.8	88.8	72.0	56.8

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

MANUFACTURING PRODUCTION WORKERS AND AVERAGE WEEKLY HOURS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
MANUFACTURING PRODUCTION WORKERS (in thousands)								
1972	53.5	42.2	110.7	188.7	71.0	83.4	63.8	70.2
1973	55.5	46.3	115.2	200.4	74.1	85.0	66.5	75.6
1974	56.1	46.9	115.3	199.5	71.2	79.5	63.1	74.2
1975	48.4	40.5	106.3	176.0	64.2	70.9	55.1	63.3
1976	44.5	40.4	107.8	180.9	65.4	73.4	59.3	63.3
1977	49.2	41.1	110.7	184.0	68.6	75.7	62.8	63.6
1978	49.4	42.2	116.4	188.0	70.1	77.5	64.1	62.5
1979	53.8	43.2	117.0	188.6	69.1	74.4	61.7	62.5
1980	47.5	40.1	106.6	169.2	64.6	65.5	49.6	54.1
1981	43.7	39.6	103.5	161.8	61.3	64.4	49.2	50.8
1982	37.2	33.7	96.1	142.5	55.6	55.8	45.1	38.5
1982								
September	36.8	33.6	97.0	142.0	55.4	55.6	46.6	37.8
October .	36.2	31.8	96.4	136.6	55.0	54.1	44.2	36.6
November.	35.3	31.4	96.5	135.0	54.3	51.4	43.8	33.5
December.	34.5	30.8	94.5	132.1	53.4	52.1	42.5	34.3
1983								
January .	35.4	31.2	93.3	132.0	53.6	52.6	43.5	35.6
February.	36.2	31.5	92.2	132.4	54.6	53.3	42.7	36.4
March ...	36.2	31.6	92.4	132.7	54.7	53.7	40.0	39.0
April ...	36.7	31.6	93.3	133.2	55.4	54.4	43.5	39.6
May	36.7	32.0	93.1	134.2	55.7	54.8	45.5	40.1
June	36.4	32.7	94.1	135.2	56.1	55.1	46.5	40.0
July	36.9	32.7	93.8	133.3	56.0	54.0	46.4	40.6
August ..	37.2	32.5	95.7	134.1	56.7	54.7	47.6	39.7
September	37.5	32.9	94.9	138.0	57.4	57.0	49.1	42.2
MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY HOURS								
1972	42.1	40.6	41.9	42.3	40.4	42.5	42.0	41.2
1973	43.0	41.0	42.2	43.2	40.8	43.3	43.1	42.9
1974	42.3	40.1	41.4	42.1	39.7	41.0	41.2	40.7
1975	41.1	39.4	40.8	40.4	39.6	41.3	40.4	38.6
1976	42.1	39.6	41.1	41.9	40.1	43.2	41.5	39.5
1977	42.3	39.7	41.6	42.8	40.3	43.5	42.7	40.4
1978	42.3	40.3	42.1	42.9	40.4	42.8	42.4	41.4
1979	41.6	40.9	41.5	42.2	40.1	42.1	40.9	40.7
1980	41.5	39.0	41.2	40.6	39.5	41.5	40.6	39.9
1981	41.8	40.0	41.1	41.1	40.0	41.4	40.9	40.8
1982	41.0	38.6	40.5	39.9	39.8	40.0	41.1	39.3
1982								
September	41.0	39.1	40.5	39.6	39.8	39.8	41.8	39.5
October .	40.5	38.3	40.2	39.2	39.7	39.3	41.3	39.3
November.	41.2	38.3	41.4	39.2	40.3	39.2	41.3	39.6
December.	41.6	39.1	41.5	39.9	40.5	40.3	41.1	40.3
1983								
January .	42.5	38.7	40.4	39.8	39.9	40.0	41.5	40.1
February.	42.5	38.6	40.4	39.8	40.0	40.2	41.6	40.6
March ...	43.3	39.1	40.8	40.1	40.4	40.8	42.0	41.1
April ...	42.5	39.5	40.8	40.4	40.2	41.1	42.5	41.3
May	42.6	38.9	40.8	40.6	40.3	41.1	42.7	42.4
June	42.3	39.8	41.3	41.3	40.8	42.0	42.2	41.4
July	42.4	38.8	40.9	40.6	40.5	42.1	41.9	42.7
August ..	42.9	39.2	40.8	41.0	40.5	42.1	42.6	41.3
September	43.7	40.3	41.1	41.6	40.9	42.8	43.3	42.3

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties. [k] Not comparable to prior data due to change in sample composition.

EARNINGS IN MAJOR METROPOLITAN AREAS[a]

Year and Month	Akron[b]	Canton[c]	Cincinnati[d]	Cleveland[e]	Columbus[f]	Dayton[g]	Toledo[h]	Youngstown-Warren[j]
	MANUFACTURING PRODUCTION WORKERS' AVERAGE HOURLY EARNINGS							
1972	$ 4.68	$ 4.48	$ 4.15	$ 4.50	$ 4.06	$ 4.74	$ 4.67	$ 4.88
1973	4.99	4.80	4.44	4.83	4.36	5.00	5.01	5.29
1974	5.28	5.24	4.82	5.21	4.73	5.29	5.39	5.80
1975	5.66	5.64	5.19	5.63	5.18	5.73	5.80	6.39
1976	6.02	6.18	5.65	6.22	5.64	6.28	6.32	7.02
1977	6.75	6.88	6.27	6.84	6.08	6.92	7.00	7.76
1978	7.19	7.56	6.81	7.50	6.55	7.38	7.53	8.54
1979	7.73	8.09	7.31	8.00	7.05	8.00	8.14	9.27
1980	8.72	8.79	8.06	8.63	7.73	8.65	8.90	10.27
1981	9.50	9.76	8.78	9.62	8.67	9.61	9.93	11.62
1982	9.83	10.22	9.57	10.10	9.31	10.02	10.89	11.72
1982								
September	9.91	10.39	9.68	10.26	9.47	10.08	10.93	11.75
October .	9.92	10.46	9.65	10.15	9.49	10.01	11.01	11.58
November.	9.95	10.44	9.78	10.19	9.50	9.89	11.01	11.65
December.	10.06	10.52	9.84	10.26	9.57	10.05	11.00	12.01
1983								
January .	10.21	10.56	9.85	10.29	9.62	10.16	11.10	12.00
February.	10.21	10.62	9.93	10.28	9.70	10.23	11.12	12.22
March ...	10.34	10.41	10.01	10.25	9.76	10.31	10.99	12.21
April ...	10.24	10.39	10.06	10.31	9.87	10.35	11.14	12.22
May	10.35	10.53	10.10	10.42	9.90	10.47	11.29	12.45
June	10.34	10.63	10.11	10.49	10.01	10.56	11.14	12.33
July	10.35	10.59	10.12	10.43	10.04	10.72	11.16	12.54
August ..	10.40	10.75	10.18	10.42	9.95	10.58	11.25	12.25
September	10.60	10.75	10.07	10.53	10.04	10.80	11.22	12.37
	MANUFACTURING PRODUCTION WORKERS' AVERAGE WEEKLY EARNINGS							
1972	$197.03	$181.69	$173.89	$190.35	$164.02	$201.45	$196.14	$201.06
1973	214.57	196.80	187.37	208.66	177.89	216.50	215.93	226.94
1974	223.34	210.12	199.55	219.34	187.78	216.89	222.07	236.06
1975	232.63	222.22	211.75	227.45	205.13	236.65	234.32	246.65
1976	253.44	244.73	232.22	260.62	226.16	271.30	262.28	277.29
1977	285.53	273.14	260.83	292.75	245.02	301.02	298.90	313.50
1978	304.14	304.67	286.70	321.75	264.62	315.86	319.27	353.56
1979	321.57	330.88	303.37	337.60	282.71	336.80	332.93	377.29
1980	361.88	342.31	332.07	350.38	305.34	358.98	361.34	409.77
1981	397.10	390.40	360.86	395.38	346.80	397.85	406.14	474.10
1982	403.03	394.49	387.59	402.99	370.54	400.80	447.58	460.60
1982								
September	406.31	406.25	392.04	406.30	376.91	401.18	456.87	464.13
October .	401.76	400.62	387.93	397.88	376.75	393.39	454.71	455.09
November.	409.94	399.85	404.89	399.45	382.85	387.69	454.71	461.34
December.	418.50	411.33	408.36	409.37	387.59	405.02	452.10	484.00
1983								
January .	433.93	408.67	397.94	409.54	383.84	406.40	460.65	481.20
February.	433.93	409.93	401.17	409.14	388.00	411.25	462.59	496.13
March ...	447.72	407.03	408.41	411.03	394.30	420.65	461.58	501.83
April ...	435.20	410.41	410.45	416.52	396.77	425.39	473.45	504.69
May	440.91	409.62	412.08	423.05	398.97	430.32	482.08	527.88
June	437.38	423.07	417.54	433.24	408.41	443.52	470.11	510.46
July	438.84	410.89	413.91	423.46	406.62	451.31	467.60	535.46
August ..	446.16	421.40	415.34	427.22	402.98	445.42	479.25	505.93
September	463.22	433.23	413.88	438.05	410.64	462.24	485.83	523.25

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. [b] Akron includes Portage and Summit Counties. [c] Canton includes Carroll and Stark Counties. [d] Cincinnati includes Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. [e] Cleveland includes Cuyahoga, Geauga, Lake, and Medina Counties. [f] Columbus includes Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Dayton includes Greene, Miami, Montgomery, and Preble Counties. [h] Toledo includes Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [j] Youngstown-Warren includes Mahoning and Trumbull Counties.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
AKRON[b]					CANTON[c]				
1972	282.2	267.3	14.8	5.3	1972	165.6	155.3	10.3	6.2
1973	287.1	274.9	12.2	4.3	1973	171.2	163.1	8.1	4.7
1974	290.8	277.7	13.0	4.5	1974	175.6	167.5	8.1	4.6
1975	292.0	264.3	27.7	9.5	1975	174.7	158.0	16.7	9.6
1976	291.3	266.3	25.0	8.6	1976	174.4	158.6	15.8	9.1
1977	294.2	274.7	19.5	6.6	1977	175.9	163.1	12.9	7.3
1978	298.9	282.2	16.7	5.6	1978	179.9	170.0	9.9	5.5
1979	303.8	285.4	18.4	6.1	1979	184.3	173.7	10.6	5.7
1980	304.5	278.3	26.2	8.6	1980	187.7	170.9	16.8	8.9
1981	304.1	274.9	29.1	9.6	1981	188.4	170.1	18.2	9.7
1982	305.8	269.4	36.4	11.9	1982	192.5	165.1	27.4	14.3
1982					1982				
August	312.7	275.0	37.7	12.1	August	199.7	170.6	29.1	14.6
September ..	308.5	272.2	36.3	11.8	September .	193.0	166.4	26.6	13.8
October	309.3	271.0	38.3	12.4	October ...	195.8	163.9	31.8	16.3
November ...	304.7	264.7	39.9	13.1	November ..	192.9	160.0	32.9	17.1
December ...	304.5	262.9	41.6	13.7	December ..	191.0	159.0	32.0	16.8
1983					1983				
January	296.9	252.3	44.6	15.0	January ...	187.4	153.9	33.5	17.9
February ...	297.1	254.7	42.5	14.3	February ..	186.5	154.0	32.5	17.4
March	301.8	261.4	40.4	13.4	March	189.0	157.9	31.1	16.5
April	306.7	267.5	39.2	12.8	April	191.6	161.7	29.9	15.6
May	311.6	271.5	40.1	12.9	May	194.6	164.2	30.3	15.6
June	311.8	272.9	38.9	12.5	June	196.7	167.9	28.8	14.6
July	319.1	285.2	33.9	10.6	July	198.0	173.7	24.3	12.3
August[p]	315.3	283.1	32.3	10.2	August[p] ...	196.6	172.5	24.1	12.3
CINCINNATI[d]					CLEVELAND[e]				
1972	561.0	529.0	32.0	5.7	1972	873.2	825.2	48.0	5.5
1973	572.0	543.0	29.0	5.1	1973	883.9	849.0	34.9	3.9
1974	595.3	569.8	25.5	4.3	1974	899.1	861.4	37.7	4.2
1975	595.3	551.6	43.6	7.3	1975	896.9	826.3	70.6	7.9
1976	604.8	566.6	38.2	6.3	1976	897.7	834.4	63.3	7.0
1977	623.4	588.7	34.7	5.6	1977	908.5	854.4	54.0	5.9
1978	648.3	615.8	32.5	5.0	1978	921.7	878.5	43.2	4.7
1979	663.4	628.1	35.3	5.3	1979	935.8	889.1	46.7	5.0
1980	676.2	628.6	47.5	7.0	1980	937.1	869.1	68.0	7.3
1981	678.5	619.3	59.1	8.7	1981	933.9	854.0	79.8	8.5
1982	682.0	610.4	71.6	10.5	1982	933.7	833.8	100.0	10.7
1982					1982				
August	696.2	624.3	71.8	10.3	August	963.1	855.8	107.3	11.1
September ..	684.5	617.2	67.3	9.8	September .	934.4	833.4	100.9	10.8
October	690.0	614.8	75.2	10.9	October ...	939.9	829.2	110.7	11.8
November ...	677.5	602.5	75.0	11.1	November ..	926.6	811.3	115.3	12.4
December ...	673.3	598.8	74.5	11.1	December ..	921.5	807.1	114.3	12.4
1983					1983				
January	661.5	580.1	81.3	12.3	January ...	895.2	776.5	118.7	13.3
February ...	655.9	577.2	78.7	12.0	February ..	893.4	776.7	116.7	13.1
March	667.8	590.2	77.6	11.6	March	913.3	797.9	115.5	12.6
April	674.9	604.1	70.8	10.5	April	923.2	813.0	110.2	11.9
May	683.3	609.9	73.4	10.7	May	935.7	821.5	114.1	12.2
June	694.4	620.1	74.3	10.7	June	961.0	843.8	117.3	12.2
July	697.9	632.7	65.2	9.3	July	968.7	869.0	99.7	10.3
August[p]	692.6	629.5	63.1	9.1	August[p] ...	958.1	859.8	98.3	10.3

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [b] Defined as Portage and Summit Counties. [c] Defined as Carroll and Stark Counties. [d] Defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; and Boone, Campbell, and Kenton Counties, Kentucky. [e] Defined as Cuyahoga, Geauga, Lake, and Medina Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES FOR MAJOR METROPOLITAN AREAS[a]
(In thousands)

Year and Month	Civilian Labor Force	Total Employed	Unemployed		Year and Month	Civilian Labor Force	Total Employed	Unemployed	
			Total Unemployed	Unemployment Rate				Total Unemployed	Unemployment Rate
COLUMBUS[f]					DAYTON[g]				
1972	469.1	450.2	18.9	4.0	1972	353.5	336.2	17.3	4.9
1973	485.5	468.3	17.1	3.5	1973	358.0	343.5	14.5	4.1
1974	495.4	475.5	19.9	4.0	1974	359.5	342.5	17.0	4.7
1975	495.0	458.6	36.5	7.4	1975	357.6	327.7	29.9	8.4
1976	503.6	468.5	35.1	7.0	1976	360.5	336.3	24.2	6.7
1977	513.4	483.3	30.1	5.9	1977	368.6	348.3	20.3	5.5
1978	531.4	506.5	24.9	4.7	1978	381.1	363.7	17.3	4.6
1979	543.0	517.1	25.8	4.8	1979	392.2	367.9	24.2	6.2
1980	554.7	523.4	31.4	5.7	1980	390.2	361.0	29.2	7.5
1981	562.4	519.1	43.3	7.7	1981	390.8	357.9	32.8	8.4
1982	568.8	518.0	50.8	8.9	1982	391.1	347.0	44.2	11.3
1982					1982				
August	582.4	529.3	53.1	9.1	August	396.3	351.7	44.6	11.3
September ..	568.2	518.8	49.4	8.7	September .	391.7	349.6	42.1	10.7
October	574.9	523.8	51.2	8.9	October ...	393.4	348.3	45.2	11.5
November ...	567.1	513.4	53.6	9.5	November ..	386.5	338.7	47.8	12.4
December ...	564.0	512.3	51.8	9.2	December ..	385.3	338.5	46.8	12.1
1983					1983				
January	548.2	492.8	55.4	10.1	January ...	375.8	327.6	47.9	12.8
February ...	547.5	493.6	53.9	9.9	February ..	374.6	328.3	46.3	12.4
March	561.1	507.3	53.8	9.6	March	381.7	337.5	44.2	11.6
April	570.5	517.7	52.8	9.3	April	386.2	343.8	42.3	11.0
May	577.9	524.0	53.9	9.3	May	388.9	347.4	41.5	10.7
June	592.9	535.7	57.2	9.7	June	398.8	354.5	44.3	11.1
July	600.6	549.7	50.9	8.5	July	399.1	361.6	37.6	9.4
August[p]	594.0	546.6	47.4	8.0	August[p] ...	396.4	359.3	37.2	9.4
TOLEDO[h]					YOUNGSTOWN-WARREN[i]				
1972	329.4	311.3	18.1	5.5	1972	226.9	212.1	14.8	6.5
1973	339.8	324.2	15.6	4.6	1973	232.5	221.8	10.8	4.6
1974	343.8	324.2	19.7	5.7	1974	236.7	223.7	13.0	5.5
1975	344.8	310.2	34.6	10.0	1975	236.7	209.8	26.9	11.4
1976	347.8	319.4	28.4	8.2	1976	234.2	210.5	23.7	10.1
1977	355.0	329.4	25.6	7.2	1977	234.0	215.0	19.0	8.1
1978	362.1	339.7	22.4	6.2	1978	235.2	217.5	17.7	7.5
1979	368.2	341.7	26.4	7.2	1979	237.1	219.9	17.1	7.2
1980	368.2	329.8	38.4	10.4	1980	238.9	210.5	28.4	11.9
1981	367.4	328.0	39.4	10.7	1981	234.0	205.7	28.2	12.1
1982	368.7	322.7	46.1	12.5	1982	237.7	191.5	46.2	19.4
1982					1982				
August	374.0	329.1	44.9	12.0	August	245.6	193.4	51.2	21.2
September ..	371.8	327.0	44.8	12.1	September .	238.0	192.3	45.7	19.2
October	374.3	326.6	47.7	12.8	October ...	239.2	190.6	48.5	20.3
November ...	367.5	318.9	48.6	13.2	November ..	237.7	183.0	54.7	23.0
December ...	368.8	316.2	52.6	14.3	December ..	234.2	183.1	51.1	21.8
1983					1983				
January	359.5	307.3	52.2	14.5	January ...	226.6	178.1	48.4	21.4
February ...	360.3	306.6	53.7	14.9	February ..	223.8	178.7	45.1	20.1
March	366.0	311.0	55.0	15.0	March	227.9	186.2	41.7	18.3
April	368.7	320.7	47.9	13.0	April	229.9	190.3	39.5	17.2
May	379.0	328.3	50.7	13.4	May	234.3	193.8	40.5	17.3
June	381.1	332.5	48.6	12.8	June	237.1	196.8	40.4	17.0
July	383.8	339.3	44.5	11.6	July	237.7	203.6	34.1	14.3
August[p]	382.0	337.7	44.3	11.6	August[p] ...	237.4	200.9	36.5	15.4

[a] Estimated in cooperation with U.S. Department of Labor. Data not seasonally adjusted. Subtotals may not add to totals due to rounding. Rates computed from unrounded figures. [f] Defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. [g] Defined as Greene, Miami, Montgomery, and Preble Counties. [h] Defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. [i] Defined as Mahoning and Trumbull Counties. [p] Preliminary.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

CIVILIAN LABOR FORCE ESTIMATES[a]
(not seasonally adjusted)

Year and Month	OHIO (in thousands)			Unemployment Rate	
	Civilian Labor Force	Total Employed	Total Unemployed	OHIO	U.S.
1972	4,510	4,261	249	5.5	5.6
1973	4,621	4,423	198	4.3	4.9
1974	4,708	4,483	225	4.8	5.6
1975	4,721	4,292	429	9.1	8.5
1976	4,749	4,378	370	7.8	7.7
1977	4,890	4,518	312	6.5	7.1
1978	4,956	4,688	268	5.4	6.1
1979	5,056	4,758	298	5.9	5.8
1980	5,087	4,660	426	8.4	7.1
1981	5,099	4,607	492	9.6	7.6
1982	5,122	4,481	640	12.5	9.7
1982					
September	5,136	4,505	631	12.3	9.7
October .	5,177	4,494	683	13.2	9.9
November	5,088	4,378	710	14.0	10.4
December	5,058	4,344	714	14.1	10.5
1983					
January .	4,942	4,204	738	14.9	11.4
February.	4,925	4,212	713	14.5	11.3
March ...	5,027	4,339	688	13.7	10.8
April ...	5,088	4,435	653	12.8	10.0
May	5,166	4,502	664	12.9	9.8
June	5,267	4,595	672	12.8	10.2
July	5,302	4,723	579	10.9	9.4
August ..	5,244	4,679	565	10.8	9.2
September	5,123	4,555	568	11.1	8.8

OHIO NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT[a]
(in thousands)

Year and Month	Total Nonagricultural	Manufacturing	Nonmanufacturing
1972	3,938.3	1,346.8	2,591.5
1973	4,112.9	1,426.3	2,686.5
1974	4,169.4	1,416.6	2,752.8
1975	4,016.2	1,267.5	2,748.7
1976	4,094.5	1,295.3	2,799.3
1977	4,230.1	1,344.1	2,885.9
1978	4,394.8	1,377.2	3,017.6
1979	4,484.7	1,382.3	3,102.5
1980	4,367.4	1,264.3	3,103.0
1981	4,317.6	1,232.6	3,085.1
1982	4,138.7	1,103.6	3,035.1
1982			
September	4,153.3	1,100.5	3,052.8
October .	4,139.2	1,073.5	3,065.7
November.	4,121.4	1,056.9	3,064.5
December.	4,102.5	1,043.9	3,058.6
1983			
January .	4,012.3	1,051.7	2,960.6
February.	4,015.0	1,056.2	2,958.8
March ...	4,036.2	1,059.4	2,976.8
April ...	4,076.0	1,069.4	3,006.6
May	4,114.2	1,074.8	3,039.4
June	4,127.4	1,078.7	3,048.7
July	4,092.8	1,076.7	3,016.1
August ..	4,085.6	1,089.3	2,996.3
September	4,158.7	1,106.9	3,051.8

OHIO NONMANUFACTURING WAGE AND SALARY EMPLOYMENT[a] (in thousands)

Year and Month	Mining	Construction	Transportation and Utilities	Wholesale Trade	Retail Trade	Finance, Insurance, Real Estate	Services	Government
1972	22.7	165.1	222.9	189.6	626.7	163.8	611.7	589.1
1973	22.9	175.5	224.9	197.7	654.9	169.0	643.9	597.8
1974	24.2	172.3	227.8	205.7	668.1	171.9	669.7	613.1
1975	26.8	154.9	213.2	203.5	664.5	173.1	686.3	626.4
1976	28.2	154.2	213.7	208.4	682.4	177.0	703.2	632.2
1977	29.1	162.8	219.1	214.6	703.1	183.4	731.4	642.3
1978	29.0	176.6	225.0	226.0	730.4	191.1	772.1	667.5
1979	31.6	182.9	232.1	232.8	742.4	200.6	806.2	674.0
1980	30.7	167.4	223.1	230.6	726.6	203.8	830.9	689.9
1981	30.7	153.7	217.2	232.5	717.7	205.8	851.5	676.0
1982	30.7	135.5	207.6	229.3	707.3	206.4	859.7	658.6
1982								
September	31.0	147.3	208.4	229.1	715.0	207.2	874.8	640.0
October .	30.3	147.2	206.1	229.4	710.7	206.5	871.4	664.1
November.	30.3	142.2	204.6	229.0	718.4	206.8	865.8	667.3
December.	29.0	129.5	203.6	229.0	730.4	207.3	861.7	668.2
1983								
January .	28.6	112.8	195.5	226.3	687.3	205.8	847.0	657.3
February.	28.1	108.8	194.7	225.3	675.0	205.5	853.5	668.0
March ...	27.3	112.7	195.0	226.1	680.4	205.8	859.6	669.9
April ...	27.2	118.8	196.0	226.9	692.0	206.7	872.5	666.6
May	27.6	126.6	197.7	227.3	702.6	207.5	880.2	669.9
June	29.3	133.0	198.9	228.2	706.4	209.7	889.3	653.8
July	29.9	138.0	199.0	228.0	703.2	210.7	884.3	623.1
August ..	29.8	139.4	182.9	227.9	705.7	210.7	883.9	615.8
September	30.0	140.4	198.5	227.6	708.3	210.3	894.1	642.4

---

[a] Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages computed from unrounded figures. All data exclude military personnel.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT, HOURS, AND EARNINGS IN MANUFACTURING IN OHIO[a]

Year and Month	Manufacturing Employment (in thousands)			Production Workers in Manufacturing		
	All Manufacturing	Durable Goods	Nondurable Goods	Production Workers (in thousands)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1972	1,346.8	948.8	398.0	979.2	$181.3	40.7
1973	1,426.3	1,018.2	408.1	1,046.7	210.8	44.3
1974	1,416.6	1,013.1	403.5	1,028.7	217.4	42.4
1975	1,267.5	892.4	375.1	897.8	201.5	36.2
1976	1,295.3	910.6	384.6	926.1	233.9	38.2
1977	1,344.1	945.2	398.9	958.0	271.2	40.2
1978	1,377.2	974.5	402.7	985.5	302.5	41.5
1979	1,382.3	980.5	401.8	979.0	318.5	40.6
1980	1,264.3	882.6	381.8	867.8	301.9	35.2
1981	1,232.6	860.4	372.2	847.7	330.4	34.7
1982	1,103.6	755.4	348.3	738.1	298.0	29.6
1982						
September	1,100.5	748.3	352.2	736.6	302.5	29.7
October .	1,073.5	728.5	345.0	712.1	288.1	28.4
November.	1,056.9	713.1	343.8	698.2	285.5	28.1
December.	1,043.9	701.7	342.2	687.1	286.7	28.0
1983						
January .	1,051.7	712.5	339.2	695.0	288.5	28.0
February.	1,056.2	715.7	340.5	700.2	293.6	28.3
March ...	1,059.4	719.1	340.3	703.7	298.6	28.7
April ...	1,069.4	728.0	341.5	713.7	306.8	29.3
May	1,074.8	733.1	341.7	719.6	310.8	29.6
June	1,078.7	734.6	344.1	723.6	316.8	30.0
July	1,076.7	732.9	343.7	720.5	311.7	29.5
August ..	1,089.3	741.2	348.1	733.3	317.8	30.2
September	1,106.9	753.1	353.9	750.5	333.7	31.4

Year and Month	Production Workers Average Weekly Earnings			Production Workers Average Weekly Hours			Production Workers Average Hourly Earnings		
	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods	Manufacturing	Durable Goods	Nondurable Goods
1972	$185.12	$190.19	$172.60	41.6	41.8	40.9	$4.45	$4.55	$4.22
1973	201.35	207.95	185.89	42.3	42.7	41.4	4.76	4.87	4.49
1974	211.36	216.94	196.17	41.2	41.4	40.7	5.13	5.24	4.82
1975	224.47	228.90	211.85	40.3	40.3	40.2	5.57	5.68	5.27
1976	252.54	258.75	235.00	41.2	41.4	41.3	6.10	6.25	5.69
1977	283.08	292.02	258.34	42.0	42.2	41.4	6.74	6.92	6.24
1978	306.91	316.83	279.30	42.1	42.3	41.5	7.29	7.49	6.73
1979	325.36	335.30	297.98	41.5	41.6	41.1	7.84	8.06	7.25
1980	347.94	358.57	319.99	40.6	40.7	40.2	8.57	8.81	7.96
1981	389.78	401.64	358.16	40.9	40.9	40.7	9.53	9.82	8.80
1982	403.81	414.80	378.95	40.1	40.0	40.4	10.07	10.37	9.38
1982									
September	410.66	421.60	385.28	40.3	40.0	40.9	10.19	10.54	9.42
October .	404.59	416.31	378.95	39.9	39.8	40.1	10.14	10.46	9.45
November.	408.83	418.80	387.06	40.2	40.0	40.7	10.17	10.47	9.51
December.	417.18	429.14	390.46	40.7	40.6	40.8	10.25	10.57	9.57
1983									
January .	415.09	427.99	387.03	40.3	40.3	40.4	10.30	10.62	9.58
February.	419.35	433.76	386.72	40.4	40.5	40.2	10.38	10.71	9.62
March ...	424.32	437.38	393.01	40.8	40.8	40.6	10.40	10.72	9.68
April ...	429.91	444.14	397.96	41.1	41.2	40.9	10.46	10.78	9.73
May	431.96	447.69	397.80	41.1	41.3	40.8	10.51	10.84	9.75
June	437.83	452.61	402.11	41.5	41.6	41.2	10.55	10.88	9.76
July	432.55	445.67	403.60	41.0	41.0	41.1	10.55	10.87	9.82
August ..	433.42	445.52	403.50	41.2	41.1	41.3	10.52	10.84	9.77
September	444.56	459.64	407.97	41.9	41.9	41.8	10.61	10.97	9.76

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

EMPLOYMENT AND AVERAGE WEEKLY EARNINGS IN SELECTED MAJOR MANUFACTURING INDUSTRIES IN OHIO[a]

Year and Month	Stone, Clay and Glass Products	Primary Metal Industries	Fabricated Metal Products	Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment	Food and Kindred Products	Printing and Publishing	Rubber and Plastics Products
	EMPLOYMENT (in thousands)								
1972	70.3	158.9	162.7	205.1	126.9	155.0	78.2	66.8	102.2
1973	73.3	173.3	175.2	219.9	134.1	167.2	76.4	67.7	109.8
1974	72.2	172.4	172.7	227.7	131.4	162.5	76.0	67.9	107.0
1975	65.0	151.5	150.9	207.7	112.3	140.8	73.5	64.8	94.8
1976	66.3	154.6	157.9	205.9	115.5	143.0	73.8	64.5	98.2
1977	67.1	157.7	166.5	210.7	120.9	151.8	74.4	65.4	107.4
1978	69.3	157.5	173.3	216.7	122.2	164.1	74.6	66.6	107.4
1979	69.7	158.9	175.5	223.6	117.6	165.8	74.4	67.6	106.7
1980	64.5	139.8	157.6	211.4	106.4	139.1	72.7	67.4	92.7
1981	61.0	138.3	154.9	204.2	101.9	136.9	69.2	66.1	89.0
1982	54.1	113.3	135.0	179.3	93.2	122.0	66.9	63.2	80.7
1982									
September	55.0	111.4	133.0	174.1	92.0	123.3	70.9	62.3	80.7
October .	54.6	104.2	129.5	168.9	90.8	121.6	67.7	62.0	78.0
November.	53.1	100.8	128.0	166.1	90.1	117.5	66.6	62.2	78.3
December.	50.3	98.1	127.0	163.4	85.6	120.5	66.3	61.8	77.6
1983									
January .	50.2	100.2	128.3	163.2	89.5	125.1	63.9	61.6	78.0
February.	50.4	102.6	130.1	161.7	88.7	126.1	64.3	61.7	79.3
March ...	50.8	105.4	129.5	160.6	87.9	127.9	64.0	61.8	79.3
April ...	52.4	105.9	130.5	160.3	90.2	130.9	63.7	61.7	80.3
May	52.9	105.5	131.6	161.4	90.7	132.9	63.5	61.7	80.8
June	53.0	105.9	132.3	159.3	90.4	134.4	64.5	61.6	81.6
July	53.2	105.3	132.0	159.4	90.1	133.9	64.2	61.1	82.3
August ..	53.9	107.6	134.8	159.9	90.0	135.1	66.5	61.1	83.7
September	54.6	110.6	137.1	162.3	91.8	136.3	69.2	61.7	85.8
	AVERAGE WEEKLY EARNINGS OF PRODUCTION WORKERS								
1972	$175.14	$204.61	$187.87	$193.46	$164.42	$219.99	$173.43	$187.21	$180.48
1973	189.03	228.72	204.67	208.80	176.23	241.01	188.94	203.06	193.12
1974	194.21	246.03	213.62	219.05	184.61	244.91	204.89	211.14	199.92
1975	207.55	256.46	224.96	228.25	201.30	263.22	222.68	226.95	213.31
1976	232.40	294.58	256.68	253.31	221.54	302.87	242.92	252.20	237.30
1977	253.95	329.54	290.44	279.18	248.44	359.20	258.54	271.96	263.97
1978	274.81	366.24	307.23	306.16	268.45	389.66	281.15	285.18	282.73
1979	293.34	395.43	323.38	329.09	289.27	391.56	304.50	302.62	300.66
1980	315.43	422.01	349.34	352.77	316.31	414.83	329.85	320.92	323.61
1981	348.02	484.04	389.61	389.16	350.27	471.50	362.75	347.70	368.67
1982	376.88	480.54	398.77	392.63	366.56	506.99	386.04	358.45	381.11
1982									
September	393.65	492.35	401.32	394.18	364.34	528.58	400.26	357.27	380.57
October .	386.78	477.98	401.37	399.78	374.46	502.94	387.28	355.15	368.54
November.	387.69	478.37	407.42	393.39	374.14	518.13	393.71	364.65	380.70
December.	391.35	488.67	420.65	405.42	383.60	526.87	402.66	374.74	388.69
1983									
January .	385.01	486.16	427.00	401.37	380.09	517.33	391.68	370.02	392.22
February.	381.35	500.47	433.78	405.38	379.20	529.44	384.87	362.36	397.57
March ...	387.32	487.71	441.56	407.82	380.25	543.26	389.50	371.14	406.27
April ...	388.95	497.68	451.26	411.25	384.40	549.25	396.47	369.64	411.83
May	397.85	493.96	452.28	417.91	384.96	560.33	401.58	367.52	413.10
June	400.20	496.11	463.86	424.91	392.85	563.82	408.53	371.51	414.62
July	403.44	496.50	447.79	420.09	390.34	543.97	412.29	369.27	409.36
August ..	401.64	492.83	449.35	421.14	395.60	541.80	409.04	371.35	407.11
September	403.27	507.58	470.85	431.90	406.96	564.88	409.77	380.77	418.82

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
SEPTEMBER 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1983[b]	August 1983[c]	September 1982[c]	August 1983	September 1982
TOTAL	4158.7	4085.6	4153.3	1.8	.1
MANUFACTURING	1106.9	1089.3	1100.5	1.6	.6
Durable Goods[e]	753.1	741.2	748.3	1.6	.6
Lumber and wood products	12.9	13.0	12.5	- .9	3.3
Furniture and fixtures	13.9	13.7	13.7	1.4	1.1
Household furniture	6.2	6.1	6.1	.8	1.1
Stone, clay, and glass products	54.6	53.9	55.0	1.2	- .8
Glass and glassware, pressed or blown	14.6	14.3	14.3	2.7	2.1
Structural clay products	5.3	5.2	4.9	1.9	8.3
Pottery and related products	5.6	5.5	5.8	1.8	- 4.1
Primary metal industries	110.6	107.6	111.4	2.8	- .7
Blast furnace and basic steel products	54.4	53.6	55.6	1.6	- 2.1
Iron and steel foundries	22.5	21.4	23.6	5.1	- 4.8
Nonferrous rolling and drawing	18.8	18.4	17.6	2.1	6.9
Nonferrous foundries	8.9	8.5	8.5	4.8	5.0
Fabricated metal products	137.1	134.8	133.0	1.7	3.1
Cutlery, hand tools, and hardware	11.7	11.4	10.4	2.3	13.1
Plumbing and heating, except electric	4.5	4.4	4.4	2.8	2.2
Fabricated structural metal products	31.4	31.2	31.8	.7	- 1.2
Screw machine products, bolts, etc.	8.8	8.7	8.9	.9	- 1.0
Metal forgings and stampings	40.8	39.8	37.7	2.6	8.3
Machinery, except electrical	162.3	159.9	174.1	1.5	- 6.8
Construction and related machinery	18.2	18.1	21.2	.9	- 14.1
Metalworking machinery	39.3	39.1	45.9	.4	- 14.5
Special industry machinery	17.4	17.3	18.3	.9	- 5.0
General industrial machinery	32.4	31.5	33.5	2.6	- 3.3
Electric and electronic equipment	91.8	90.0	92.0	1.9	- .2
Electrical industrial apparatus	18.7	18.5	20.3	1.2	- 8.0
Household appliances	16.6	16.7	14.9	- .9	11.2
Electric lighting and wiring equipment	18.4	17.6	17.9	4.3	2.8
Communication equipment	10.5	10.5	10.6	.6	- 1.0
Transportation equipment	136.3	135.1	123.3	.8	10.5
Motor vehicles and equipment	89.7	89.1	79.2	.7	13.4
Aircraft and parts	38.1	37.6	36.2	1.3	5.1
Instruments and related products	20.1	19.9	19.8	1.3	1.6
Measuring and controlling devices	12.3	12.1	11.9	1.6	3.5
Nondurable Goods[f]	353.9	348.1	352.2	1.7	.5
Food and kindred products	69.2	66.5	70.9	4.0	- 2.3
Meat products	10.7	10.3	11.1	4.0	- 3.6
Dairy products	11.0	11.2	11.0	- 1.3	.1
Bakery products	10.0	10.0	10.6	- .4	- 6.0
Beverages	10.6	10.7	10.9	- 1.4	- 3.0
Textile mill products	4.4	4.4	4.2	.7	5.4
Apparel and other textile products	17.2	16.9	16.9	1.4	1.6
Paper and allied products	35.2	34.9	35.5	1.0	- .9
Paper mills, except building paper	9.1	9.0	9.0	1.0	1.5
Misc. converted paper products	11.4	11.4	11.2	.1	1.7
Paperboard containers and boxes	11.8	11.5	12.0	2.5	- 1.8
Printing and publishing	61.7	61.1	62.3	1.0	- .9
Newspapers	18.5	18.4	18.3	.4	.7
Commercial printing	22.3	21.7	22.7	2.7	- 1.9
Chemicals and allied products	64.6	64.7	65.9	- .1	- 2.0
Industrial inorganic chemicals	11.8	11.9	12.4	- .3	- 4.8
Plastics materials and synthetics	8.9	8.9	9.1	.1	- 2.4
Petroleum and coal products	10.0	10.1	9.8	- .7	2.0
Rubber and misc. plastics products	85.8	83.7	80.7	2.5	6.2
Tires and inner tubes	20.8	20.8	21.7	.0	- 4.1
Miscellaneous plastics products	44.6	43.0	40.1	3.5	11.1
Leather and leather products	5.6	5.6	5.7	- .3	- 2.4

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
SEPTEMBER 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1983^{b}	August 1983^{c}	September 1982^{c}	Sep. 1983^{b}	Aug. 1983^{c}	Sep. 1982^{c}	Sep. 1983^{b}	Aug. 1983^{c}	Sep. 1982^{c}
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$444.56	$433.42	$410.66	41.9	41.2	40.3	$10.61	$10.52	$10.19
Durable Goods[d]	459.64	445.52	421.60	41.9	41.1	40.0	10.97	10.84	10.54
Lumber and wood products	299.22	294.33	281.91	40.6	40.1	39.1	7.37	7.34	7.21
Furniture and fixtures	309.50	306.77	307.28	40.3	40.1	39.7	7.68	7.65	7.74
Household furniture	278.87	270.97	263.34	39.5	38.6	38.5	7.06	7.02	6.84
Stone, clay, and glass products	403.27	401.64	393.65	40.9	40.9	41.7	9.86	9.82	9.44
Glass and glassware, pressed or blown	412.51	415.28	395.79	39.1	39.4	40.1	10.55	10.54	9.87
Structural clay products	313.92	310.06	282.91	41.8	41.9	40.3	7.51	7.40	7.02
Pottery and related products	322.88	324.76	297.85	37.5	37.2	37.0	8.61	8.73	8.05
Primary metal industries	507.58	492.83	492.35	41.0	40.1	39.2	12.38	12.29	12.56
Blast furnace and basic steel products	495.86	486.54	517.62	38.8	38.1	37.7	12.78	12.77	13.73
Iron and steel foundries	524.67	496.70	490.64	42.9	41.6	41.3	12.23	11.94	11.88
Nonferrous rolling and drawing	566.37	540.06	477.41	43.4	41.8	39.1	13.05	12.92	12.21
Nonferrous foundries	422.67	410.48	353.82	43.8	43.3	39.8	9.65	9.48	8.89
Fabricated metal products	470.85	449.35	401.32	43.0	41.8	39.5	10.95	10.75	10.16
Cutlery, hand tools, and hardware	492.15	448.94	395.14	42.5	40.3	38.4	11.58	11.14	10.29
Plumbing and heating, except electric	347.77	339.65	337.31	39.7	40.1	37.9	8.76	8.47	8.90
Fabricated structural metal products	423.78	418.50	389.70	42.0	41.6	40.3	10.09	10.06	9.67
Screw machine products, bolts, etc.	400.32	382.18	332.11	41.7	40.4	37.4	9.60	9.46	8.88
Metal forgings and stampings	570.37	533.72	462.08	44.7	42.8	39.8	12.76	12.47	11.61
Machinery, except electrical	431.90	421.14	394.18	40.9	40.3	39.3	10.56	10.45	10.03
Construction and related machinery	431.64	419.15	404.79	39.6	39.1	39.3	10.90	10.72	10.30
Metalworking machinery	398.48	390.79	374.83	38.8	38.2	37.9	10.27	10.23	9.89
Special industry machinery	424.00	413.76	366.66	42.4	41.5	38.8	10.00	9.97	9.45
General industrial machinery	435.90	419.35	389.08	41.2	40.4	39.5	10.58	10.38	9.85
Electric and electronic equipment	406.96	395.60	364.94	41.4	40.7	38.7	9.83	9.72	9.43
Electrical industrial apparatus	371.45	359.42	337.26	39.1	38.4	36.5	9.50	9.36	9.24
Household appliances	406.62	413.71	360.61	40.5	40.8	37.8	10.04	10.14	9.54
Electric lighting and wiring equipment	402.14	397.74	373.35	42.6	42.0	41.3	9.44	9.47	9.04
Communication equipment	489.86	454.95	407.36	44.9	42.4	38.0	10.91	10.73	10.72
Transportation equipment	564.88	541.80	528.58	44.2	43.0	42.8	12.78	12.60	12.35
Motor vehicles and equipment	593.52	564.18	557.64	45.1	43.6	43.6	13.16	12.94	12.79
Aircraft and parts	490.59	489.76	462.43	41.4	41.4	40.6	11.85	11.83	11.39
Instruments and related products	311.85	308.45	285.98	40.5	39.8	39.5	7.70	7.75	7.24
Measuring and controlling devices	304.07	299.15	281.35	39.8	38.8	38.7	7.64	7.71	7.27
Nondurable Goods[e]	407.97	403.50	385.28	41.8	41.3	40.9	9.76	9.77	9.42
Food and kindred products	409.77	409.04	400.26	43.5	42.3	42.9	9.42	9.67	9.33
Meat products	393.74	405.32	411.88	41.1	41.7	40.7	9.58	9.72	10.12
Dairy products	404.20	414.54	405.79	43.0	44.1	44.3	9.40	9.40	9.16
Bakery products	418.59	411.83	381.60	40.6	40.1	39.3	10.31	10.27	9.71
Beverages	364.61	373.83	326.00	40.2	40.9	37.3	9.07	9.14	8.74
Textile mill products	303.99	319.70	265.67	41.7	42.4	39.3	7.29	7.54	6.76
Apparel and other textile products	240.52	236.25	219.21	38.3	37.8	37.6	6.28	6.25	5.83
Paper and allied products	429.34	432.08	403.88	43.9	44.0	43.9	9.78	9.82	9.20
Paper mills, except building paper	526.31	523.28	509.71	46.7	47.1	49.2	11.27	11.11	10.36
Misc. converted paper products	380.92	381.60	354.46	42.8	42.4	41.8	8.90	9.00	8.48
Paperboard containers and boxes	386.33	395.90	362.75	42.5	42.8	41.6	9.09	9.25	8.72
Printing and publishing	380.77	371.35	357.27	37.7	37.7	37.1	10.10	9.85	9.63
Newspapers	318.49	315.89	314.63	32.8	32.6	31.4	9.71	9.69	10.02
Commercial printing	398.82	386.31	372.48	39.1	39.5	38.8	10.20	9.78	9.60
Chemicals and allied products	458.43	457.75	424.15	41.6	41.5	41.1	11.02	11.03	10.32
Industrial inorganic chemicals	480.05	485.62	439.43	41.1	41.4	40.5	11.68	11.73	10.85
Plastics materials and synthetics	513.17	514.21	483.96	43.6	44.1	44.4	11.77	11.66	10.90
Petroleum and coal products	587.55	593.64	613.81	42.3	42.8	45.4	13.89	13.87	13.52
Rubber and misc. plastics products	418.82	407.11	380.57	43.0	42.1	40.4	9.74	9.67	9.42
Tires and inner tubes	565.66	564.83	502.11	44.4	44.3	41.6	12.74	12.75	12.07
Miscellaneous plastics products	409.54	389.06	365.48	43.2	41.7	39.9	9.48	9.33	9.16
Leather and leather products	210.92	210.76	203.52	38.7	38.6	38.4	5.45	5.46	5.30

See footnotes at end of table.

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN DAYTON METROPOLITAN AREA[a]
SEPTEMBER 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1983^{b}	August 1983^{c}	September 1982^{c}	Sep. 1983^{b}	Aug. 1983^{c}	Sep. 1982^{c}	Sep. 1983^{b}	Aug. 1983^{c}	Sep. 1982^{c}
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$462.24	$445.42	$401.18	42.8	42.1	39.8	$10.80	$10.58	$10.08
Durable Goods[d]	464.40	446.90	400.97	43.0	42.4	39.7	10.80	10.54	10.10
Stone, clay, and glass products	409.05	375.96	404.64	40.3	39.1	38.5	10.15	9.60	10.51
Fabricated metal products	337.28	341.15	316.95	40.2	39.9	38.7	8.39	8.55	8.19
Machinery, except electrical	495.28	476.77	413.66	44.7	43.7	40.2	11.08	10.91	10.29
Metalworking machinery	463.90	461.78	404.59	43.6	43.4	39.9	10.64	10.64	10.14
Electric and electronic equipment	312.05	314.42	296.06	39.6	39.6	38.6	7.88	7.94	7.67
Electrical industrial apparatus	336.60	332.87	302.95	39.6	39.3	36.9	8.50	8.47	8.21
Transportation equipment	594.93	558.54	506.66	44.2	42.8	40.5	13.46	13.05	12.51
Nondurable Goods[e]	457.50	440.26	401.60	42.4	41.3	40.0	10.79	10.66	10.04
Food and kindred products	348.56	389.20	393.42	38.6	40.0	39.5	9.03	9.73	9.96
Paper and allied products	393.93	381.71	353.22	43.1	41.9	41.9	9.14	9.11	8.43
Printing and publishing	408.56	424.86	370.48	37.9	38.8	36.9	10.78	10.95	10.04
Rubber and misc. plastics products	594.83	548.27	491.23	45.2	42.8	40.8	13.16	12.81	12.04
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	559.48	539.24	536.26	39.4	38.6	39.2	14.20	13.97	13.68
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	468.64	445.74	431.64	40.4	39.1	39.6	11.60	11.40	10.90
WHOLESALE TRADE	348.55	348.53	320.08	42.3	42.4	41.3	8.24	8.22	7.75
RETAIL TRADE[f]	160.32	161.10	149.87	29.8	30.0	29.1	5.38	5.37	5.15
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN OHIO[a]
SEPTEMBER 1983 (Continued)

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1983[b]	August 1983[c]	September 1982[c]	August 1983	September 1982
NONMANUFACTURING	3051.8	2996.3	3052.8	1.9	.0
MINING	30.0	29.8	31.0	.7	- 3.1
Bituminous coal and lignite mining	11.9	11.7	13.4	1.9	- 11.4
CONSTRUCTION	140.4	139.4	147.3	.7	- 4.7
General building contractors	32.9	32.7	34.3	.6	- 4.1
Heavy construction contractors	23.7	23.8	26.8	- .2	- 11.5
TRANSPORTATION AND PUBLIC UTILITIES	198.5	182.9	208.4	8.5	- 4.7
Railroad transportation	20.7	20.9	23.3	- .9	- 11.1
Transportation, except railroads	87.2	86.2	89.0	1.2	- 2.0
Trucking and warehousing	61.6	60.9	64.3	1.2	- 4.2
Communication, electric, gas services ..	90.6	75.9[h]	96.1	19.4	- 5.7
Communication	50.5	35.5	54.1	42.5	- 6.7
Electric, gas, and sanitary services .	40.1	40.4	42.0	- .8	- 4.4
WHOLESALE TRADE	227.6	227.9	229.1	- .1	- .6
Wholesale trade-durable goods	143.6	143.7	145.5	- .1	- 1.3
Motor vehicles & automotive equipment.	21.0	21.0	21.0	.3	.2
Electrical goods	18.8	18.8	19.0	.3	- .7
Machinery, equipment, and supplies ...	61.4	61.6	61.8	- .3	- .6
Wholesale trade-nondurable goods	84.1	84.2	83.6	- .2	.6
Groceries and related products	26.0	26.1	25.5	- .1	2.3
RETAIL TRADE	708.3	705.7	715.0	.4	- .9
General merchandise stores	109.2	107.6	113.7	1.5	- 4.0
Department stores	100.0	98.4	104.0	1.6	- 3.9
Food stores	118.0	117.2	117.6	.7	.3
Automotive dealers & service stations ..	75.8	76.4	77.1	- .7	- 1.7
Apparel and accessory stores	32.2	32.1	33.5	.3	- 3.7
FINANCE, INSURANCE, AND REAL ESTATE	210.3	210.7	207.2	- .2	1.5
Banking	58.2	58.5	59.0	- .6	- 1.3
Credit agencies other than banks	30.8	30.9	29.8	- .5	3.3
Insurance carriers	59.4	59.5	59.3	- .3	.0
SERVICES	894.1	883.9	874.8	1.2	2.2
Hotels and other lodging places	30.1	30.9	30.5	- 2.4	- 1.1
Laundry, cleaning, & garment services ..	16.3	16.2	16.9	.9	- 3.3
Business services	123.9	123.8	123.1	.1	.6
Health services	328.3	328.6	316.7	- .1	3.7
Hospitals	178.5	178.8	174.4	- .2	2.4
GOVERNMENT	642.4	615.8	640.0	4.3	.4
Federal government	88.9	89.1	89.2	- .2	- .2
State government	131.6	122.5	130.8	7.5	.6
State government, except education ...	69.8	71.4	70.9	- 2.2	- 1.5
State government education[i]	61.8	51.0	59.9	21.1	3.2
Local government	421.8	404.2	420.0	4.4	.4
Local government, except education ...	187.1	196.2	184.8	- 4.6	1.3
Local government education	234.7	208.0	235.3	12.8	- .2

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes miscellaneous manufacturing. [f] Includes tobacco manufactures. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering educational programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN OHIO[a]
SEPTEMBER 1983 (Continued)

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1983[b]	August 1983[c]	September 1982[c]	Sep. 1983[b]	Aug. 1983[c]	Sep. 1982[c]	Sep. 1983[b]	Aug. 1983[c]	Sep. 1982[c]
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
MINING	$466.47	$456.86	$445.63	43.8	43.1	42.2	$10.65	$10.60	$10.56
Bituminous coal and lignite mining	555.15	561.43	526.25	40.7	41.1	40.7	13.64	13.66	12.93
CONSTRUCTION	584.68	575.91	546.85	37.6	37.3	36.8	15.55	15.44	14.86
General building contractors	513.34	515.06	496.40	36.1	36.4	36.5	14.22	14.15	13.60
Heavy construction contractors	568.70	566.96	561.54	38.4	38.0	38.2	14.81	14.92	14.70
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Railroad transportation	......	......	......	....	....	....	....	....	....
Transportation, except railroads	......	......	......	....	....	....	....	....	....
Trucking and warehousing	438.78	435.25	457.06	35.5	35.3	36.8	12.36	12.33	12.42
Communication, electric, gas services	461.54	442.66	439.67	40.7	39.7	40.3	11.34	11.15	10.91
Communication	454.21	405.89	431.94	40.7	38.4	39.7	11.16	10.57	10.88
Electric, gas, and sanitary services	472.06	469.34	448.54	40.8	40.6	41.0	11.57	11.56	10.94
WHOLESALE TRADE	332.87	330.17	316.61	39.3	39.4	38.8	8.47	8.38	8.16
Wholesale trade–durable goods	329.54	323.56	307.68	39.8	39.7	38.8	8.28	8.15	7.93
Motor vehicles & automotive equipment	278.48	286.73	268.16	38.2	38.8	38.2	7.29	7.39	7.02
Electrical goods	265.91	268.00	257.89	37.4	37.8	37.0	7.11	7.09	6.97
Machinery, equipment, and supplies	375.14	361.09	333.97	40.6	40.3	38.9	9.24	8.96	8.57
Wholesale trade–nondurable goods	337.04	341.54	332.05	38.3	38.9	38.7	8.80	8.78	8.58
Groceries and related products	363.29	370.24	366.13	40.5	41.6	41.0	8.97	8.90	8.93
RETAIL TRADE[f]	161.87	162.90	155.58	29.7	30.0	29.3	5.45	5.43	5.31
General merchandise stores	166.24	169.02	158.77	30.9	31.3	30.3	5.38	5.40	5.24
Department stores	169.73	172.54	161.42	31.2	31.6	30.4	5.44	5.46	5.31
Food stores	225.28	227.01	229.01	32.0	32.2	31.5	7.04	7.05	7.27
Automotive dealers & service stations	215.39	212.99	200.20	36.2	36.1	36.6	5.95	5.90	5.47
Apparel and accessory stores	117.84	115.44	115.08	26.6	26.0	27.4	4.43	4.44	4.20
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	218.44	217.29	204.52	....	....	....	....	....	....
Credit agencies other than banks	211.19	210.50	209.67	....	....	....	....	....	....
Insurance carriers	290.77	291.15	275.86	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
Hotels and other lodging places	......	......	......	....	....	....	....	....	....
Laundry, cleaning, & garment services	......	......	......	....	....	....	....	....	....
Business services	......	......	......	....	....	....	....	....	....
Health services	......	......	......	....	....	....	....	....	....
Hospitals	287.43	283.71	271.35	34.3	34.1	34.7	8.38	8.32	7.82
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes miscellaneous manufacturing. [e] Includes tobacco manufactures. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN AKRON METROPOLITAN AREA[a]
SEPTEMBER 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1983[b]	August 1983[c]	September 1982[c]	August 1983	September 1982
TOTAL	255.3	249.1	253.0	2.5	.9
MANUFACTURING	68.0	67.7	68.3	.5	- .4
Durable Goods[e]	34.5	34.1	34.2	1.2	.8
Stone, clay, and glass products	2.0	1.9	1.8	1.7	8.9
Fabricated metal products	12.3	12.1	12.8	1.9	- 3.7
Machinery, except electrical	9.5	9.4	9.3	1.2	1.9
Special industry machinery	1.6	1.6	1.8	1.8	- 11.4
Nondurable Goods[f]	33.4	33.5	34.0	- .3	- 1.7
Food and kindred products	2.5	2.6	2.7	- .5	- 5.5
Chemicals and allied products	2.9	3.0	3.2	- 2.9	- 9.4
Rubber and misc. plastics products	23.2	23.1	23.3	.3	- .7
Tires and inner tubes	16.6	16.6	17.4	.0	- 4.5
NONMANUFACTURING[g]	187.3	181.4	184.7	3.3	1.4
CONSTRUCTION	7.9	7.9	8.1	- .6	- 2.3
TRANSPORTATION AND PUBLIC UTILITIES	12.8	12.0	13.2	7.2	- 2.8
Communication, electric, gas services	5.4	4.6[h]	5.5	17.2	- 1.9
WHOLESALE TRADE	12.6	12.6	12.5	- .4	.5
RETAIL TRADE	47.1	46.8	46.6	.7	1.1
FINANCE, INSURANCE, AND REAL ESTATE	9.3	9.3	9.3	- .6	- .1
SERVICES	54.6	55.4	52.7	- 1.5	3.4
GOVERNMENT	42.5	36.7	41.7	15.6	1.8
State government (includes education)	14.1	10.1	13.7	38.7	2.9
Local government (includes education)	26.3	24.5	25.9	7.4	1.4

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN AKRON METROPOLITAN AREA[a]
SEPTEMBER 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1983[b]	August 1983[c]	September 1982[c]	Sep. 1983[b]	Aug. 1983[c]	Sep. 1982[c]	Sep. 1983[b]	Aug. 1983[c]	Sep. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$463.22	$446.16	$406.31	43.7	42.9	41.0	$10.60	$10.40	$ 9.91
Durable Goods[d]	475.59	447.26	403.10	44.2	42.8	40.8	10.76	10.45	9.88
Stone, clay, and glass products	401.10	400.16	403.00	42.0	42.3	42.6	9.55	9.46	9.46
Fabricated metal products	562.73	503.10	404.94	45.9	43.0	39.7	12.26	11.70	10.20
Machinery, except electrical	422.18	410.55	397.94	43.3	42.9	41.8	9.75	9.57	9.52
Special industry machinery	451.80	439.01	361.94	44.6	44.3	39.6	10.13	9.91	9.14
Nondurable Goods[e]	445.30	443.76	409.94	42.9	43.0	41.2	10.38	10.32	9.95
Food and kindred products	451.23	464.90	443.02	44.5	45.4	46.1	10.14	10.24	9.61
Chemicals and allied products	470.98	481.34	441.60	42.7	43.6	41.7	11.03	11.04	10.59
Rubber and misc. plastics products	464.53	465.16	418.32	43.7	43.8	41.5	10.63	10.62	10.08
Tires and inner tubes	607.31	607.31	517.09	45.8	45.8	41.4	13.26	13.26	12.49
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	563.23	548.55	511.83	37.3	35.9	34.7	15.10	15.28	14.75
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services ..	474.16	454.68	440.10	40.7	39.4	39.9	11.65	11.54	11.03
WHOLESALE TRADE	297.57	295.68	285.64	39.0	38.5	38.6	7.63	7.68	7.40
RETAIL TRADE[f]	175.80	176.95	176.07	30.0	30.3	30.2	5.86	5.84	5.83
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education) ..	......	......	......	....	....	....	....	....	....
Local government (includes education) ..	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Akron area is defined as Portage and Summit Counties. Date relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CANTON METROPOLITAN AREA[a]
SEPTEMBER 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1983[b]	August 1983[c]	September 1982[c]	August 1983	September 1982
TOTAL	150.3	148.0	150.3	1.5	.0
MANUFACTURING	46.5	46.1	47.9	.9	-2.9
Durable Goods[e]	35.1	35.1	36.6	.1	-4.1
Stone, clay, and glass products	2.0	2.0	2.0	-1.1	-1.2
Primary metal industries	11.5	11.5	11.3	.0	1.8
Fabricated metal products	7.5	7.5	8.6	.0	-13.5
Fabricated structural metal products	2.1	2.1	3.0	-.6	-31.1
Metal forgings and stampings	2.3	2.3	2.4	1.5	-1.3
Nondurable Goods[f]	11.5	11.1	11.3	3.6	1.1
Food and kindred products	4.2	3.9	4.2	7.2	-1.0
Rubber and misc. plastics products	3.0	3.0	2.6	.6	16.0
NONMANUFACTURING[g]	103.7	101.9	102.4	1.8	1.3
CONSTRUCTION	5.3	5.3	5.2	.8	3.2
TRANSPORTATION AND PUBLIC UTILITIES	6.1	5.7[h]	6.5	7.2	-5.6
Communication, electric, gas services	2.8	2.4[h]	3.0	16.4	-5.4
WHOLESALE TRADE	7.9	7.9	7.7	-.1	3.2
RETAIL TRADE	26.6	26.4	26.5	.5	.3
FINANCE, INSURANCE, AND REAL ESTATE	6.6	6.5	6.5	.9	.6
SERVICES	31.7	31.5	31.1	.4	1.7
GOVERNMENT	18.2	17.2	17.6	6.2	3.5
Local government (includes education)	15.4	14.3	14.6	7.3	5.4

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CANTON METROPOLITAN AREA[a]
SEPTEMBER 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1983[b]	August 1983[c]	September 1982[c]	Sep. 1983[b]	Aug. 1983[c]	Sep. 1982[c]	Sep. 1983[b]	Aug. 1983[c]	Sep. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$433.23	$421.40	$406.25	40.3	39.2	39.1	$10.75	$10.75	$10.39
Durable Goods[d]	446.31	432.84	409.26	40.1	39.1	38.5	11.13	11.07	10.63
Stone, clay, and glass products	295.51	281.88	264.37	41.1	40.5	39.4	7.19	6.96	6.71
Primary metal industries	452.29	446.46	462.64	38.2	37.9	36.4	11.84	11.78	12.71
Fabricated metal products	524.58	510.06	449.36	42.0	41.3	41.0	12.49	12.35	10.96
Fabricated structural metal products .	449.01	385.93	484.73	39.7	35.9	45.6	11.31	10.75	10.63
Metal forgings and stampings	638.25	645.66	491.79	44.2	44.9	39.0	14.44	14.38	12.61
Nondurable Goods[e]	388.82	384.30	394.28	40.8	39.7	41.2	9.53	9.68	9.57
Food and kindred products	424.32	408.88	419.83	40.8	38.0	39.2	10.40	10.76	10.71
Rubber and misc. plastics products	408.39	404.98	369.67	43.4	42.9	42.2	9.41	9.44	8.76
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	554.51	545.64	532.90	35.5	35.5	36.6	15.62	15.37	14.56
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services ..	468.71	465.66	453.69	40.9	41.1	40.4	11.46	11.33	11.23
WHOLESALE TRADE	312.17	310.90	300.07	36.9	37.1	37.0	8.46	8.38	8.11
RETAIL TRADE[f]	159.43	161.50	150.53	29.8	30.3	29.4	5.35	5.33	5.12
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education) ..	......	......	......	....	....	....	....	....	....

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Canton area is defined as Carroll and Stark Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CINCINNATI METROPOLITAN AREA[a]
SEPTEMBER 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1983[b]	August 1983[c]	September 1982[c]	August 1983	September 1982
TOTAL	577.6	569.6	580.3	1.4	- .5
MANUFACTURING	145.6	146.4	147.9	- .6	- 1.6
Durable Goods[e]	79.6	81.5	80.6	- 2.3	- 1.2
Furniture and fixtures	2.1	2.1	2.2	1.4	- 4.1
Primary metal industries	1.9	1.8	2.0	2.1	- 5.1
Fabricated metal products	13.0	12.7	12.6	2.7	3.8
Fabricated structural metal products	4.1	4.0	4.2	2.2	- 3.2
Machinery, except electrical	21.3	21.6	22.4	- 1.3	- 5.1
Metalworking machinery	10.4	10.4	10.9	- .3	- 4.9
General industrial machinery	3.4	3.4	3.6	- 2.1	- 6.9
Electric and electronic equipment	7.6	7.6	7.7	.9	- .5
Transportation equipment	23.0	25.3	23.3	- 9.1	- 1.3
Motor vehicles and equipment	7.9	10.2	8.4	- 21.9	- 5.6
Nondurable Goods[f]	65.9	64.9	67.3	1.6	- 2.0
Food and kindred products	14.8	14.6	15.7	1.1	- 6.0
Meat products	2.4	2.4	2.2	.2	7.9
Bakery products	2.3	2.3	2.5	- .2	- 8.2
Beverages	4.3	4.2	4.5	.5	- 5.3
Apparel and other textile products	4.0	4.0	4.0	- .6	.3
Paper and allied products	5.8	5.7	6.0	2.0	- 2.8
Printing and publishing	11.4	10.9[h]	11.4	4.5	.6
Chemicals and allied products	21.8	21.7	22.3	.7	- 2.4
Rubber and misc. plastics products	4.6	4.4	4.3	4.0	8.1
NONMANUFACTURING[g]	432.1	423.2	432.4	2.1	- .1
CONSTRUCTION	20.5	20.0	21.9	2.6	- 6.5
TRANSPORTATION AND PUBLIC UTILITIES	31.4	28.8	32.4	9.3	- 2.9
Communication, electric, gas services	14.3	11.9[h]	14.6	20.0	- 2.5
WHOLESALE TRADE	36.7	36.7	37.1	- .1	- 1.1
RETAIL TRADE	101.5	100.9	101.9	.6	- .4
FINANCE, INSURANCE, AND REAL ESTATE	32.2	32.2	32.5	- .2	- 1.0
Banking	7.2	7.3	7.4	- .6	- 1.6
Insurance carriers	11.0	11.1	11.4	- .3	- 3.4
SERVICES	131.6	131.1	128.5	.4	2.4
GOVERNMENT	77.8	73.1	77.7	6.3	.1
Federal government	12.3	12.3	12.2	.3	.7
State government (includes education)	17.0	16.3	17.2	4.5	- .9
Local government	48.4	44.6	48.3	8.7	.2
Local government, except education	22.0	22.1	22.1	- .2	- .4
Local government education	26.4	22.5	26.2	17.3	.7

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CINCINNATI METROPOLITAN AREA[a]
SEPTEMBER 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1983[b]	August 1983[c]	September 1982[c]	Sep. 1983[b]	Aug. 1983[c]	Sep. 1982[c]	Sep. 1983[b]	Aug. 1983[c]	Sep. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$413.88	$415.34	$392.04	41.1	40.8	40.5	$10.07	$10.18	$ 9.68
Durable Goods[d]	399.43	404.00	383.51	40.8	40.4	40.2	9.79	10.00	9.54
Furniture and fixtures	343.51	326.68	267.55	42.2	41.3	36.6	8.14	7.91	7.31
Primary metal industries	479.45	401.79	332.85	41.8	37.1	35.0	11.47	10.83	9.51
Fabricated metal products	383.46	390.15	362.15	42.0	42.5	40.6	9.13	9.18	8.92
Fabricated structural metal products	360.50	359.72	331.97	41.2	41.3	39.9	8.75	8.71	8.32
Machinery, except electrical	363.13	361.62	338.96	39.3	38.8	38.3	9.24	9.32	8.85
Metalworking machinery	391.55	383.69	366.92	38.5	37.0	37.1	10.17	10.37	9.89
General industrial machinery	340.49	332.00	321.79	40.2	40.0	38.4	8.47	8.30	8.38
Electric and electronic equipment	303.80	292.99	288.12	39.2	38.2	39.2	7.75	7.67	7.35
Transportation equipment	553.24	553.10	560.72	42.2	41.4	43.0	13.11	13.36	13.04
Motor vehicles and equipment	644.48	619.05	647.36	45.1	42.9	44.8	14.29	14.43	14.45
Nondurable Goods[e]	429.53	428.69	401.47	41.5	41.3	40.8	10.35	10.38	9.84
Food and kindred products	476.85	473.91	455.94	42.5	42.2	41.6	11.22	11.23	10.96
Meat products	400.98	422.00	426.22	41.0	42.2	41.3	9.78	10.00	10.32
Bakery products	447.89	446.26	381.18	43.4	43.2	39.5	10.32	10.33	9.65
Beverages	439.71	449.02	444.57	41.6	42.4	43.5	10.57	10.59	10.22
Apparel and other textile products	225.61	212.27	228.66	38.5	36.1	40.4	5.86	5.88	5.66
Paper and allied products	383.46	390.08	354.45	42.0	42.4	41.7	9.13	9.20	8.50
Printing and publishing	408.95	426.77	385.84	38.8	40.8	38.7	10.54	10.46	9.97
Chemicals and allied products	502.78	493.12	443.81	42.5	41.3	40.2	11.83	11.94	11.04
Rubber and misc. plastics products	353.68	356.89	324.61	44.1	44.5	42.6	8.02	8.02	7.62
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	566.12	553.44	563.24	38.2	37.7	37.4	14.82	14.68	15.06
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	445.50	432.69	417.91	39.6	39.3	39.5	11.25	11.01	10.58
WHOLESALE TRADE	344.80	341.82	319.61	40.0	39.7	38.6	8.62	8.61	8.28
RETAIL TRADE[f]	162.93	164.83	157.95	30.8	31.1	30.2	5.29	5.30	5.23
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	222.99	221.45	201.69	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cincinnati area is defined as Clermont, Hamilton, and Warren Counties, Ohio; Dearborn County, Indiana; Boone, Campbell, and Kenton Counties, Kentucky. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [i] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN CLEVELAND METROPOLITAN AREA[a]
SEPTEMBER 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1983[b]	August 1983[c]	September 1982[c]	August 1983	September 1982
TOTAL	837.0	827.4	846.0	1.2	- 1.1
MANUFACTURING	215.0	211.1	222.3	1.9	- 3.3
Durable Goods[e]	148.9	145.6	158.1	2.3	- 5.8
Furniture and fixtures	1.8	1.6	2.0	7.2	- 14.3
Primary metal industries	25.3	24.2	27.0	4.5	- 6.4
Blast furnace and basic steel products	12.7	12.5	13.9	1.8	- 8.4
Iron and steel foundries	6.2	5.8	6.8	5.4	- 9.3
Nonferrous foundries	2.6	2.4	2.7	11.1	- .7
Fabricated metal products	31.9	31.8	33.5	.4	- 4.7
Fabricated structural metal products	3.9	3.9	4.1	.4	- 3.4
Screw machine products, bolts, etc.	4.6	4.6	4.8	- .3	- 5.0
Metal forgings and stampings	10.6	10.6	11.8	- .6	- 10.2
Machinery, except electrical	32.0	31.4	37.2	1.9	- 13.9
Construction and related machinery	5.5	5.4	6.4	1.5	- 14.7
Metalworking machinery	10.5	10.4	12.7	1.2	- 17.1
Special industry machinery	3.1	3.1	3.4	2.7	- 8.7
General industrial machinery	2.4	2.3	3.1	3.6	- 21.3
Electric and electronic equipment	23.3	23.2	23.8	.4	- 2.1
Electrical industrial apparatus	7.8	7.7	8.5	1.3	- 8.0
Transportation equipment	20.8	19.6	20.5	6.3	1.5
Motor vehicles and equipment	14.4	13.5	13.8	6.6	4.3
Instruments and related products	5.6	5.6	5.8	- .1	- 4.6
Nondurable Goods[f]	66.1	65.5	64.2	.9	2.9
Food and kindred products	8.2	8.1	7.8	.2	4.2
Bakery products	1.7	1.7	1.8	.9	- 6.0
Beverages	1.6	1.6	1.6	- .9	3.6
Apparel and other textile products	5.6	5.3	5.3	4.4	4.4
Paper and allied products	5.1	5.0	5.0	1.0	1.2
Printing and publishing	15.3	15.2	14.8	.2	3.0
Chemicals and allied products	14.7	14.8	14.9	- .8	- 1.4
Industrial inorganic chemicals	3.7	3.7	3.9	- .1	- 5.8
Rubber and misc. plastics products	11.2	10.8	10.3	3.8	8.2
NONMANUFACTURING[g]	622.0	616.3	623.7	.9	- .3
CONSTRUCTION	26.5	26.4	26.9	.5	- 1.4
TRANSPORTATION AND PUBLIC UTILITIES	42.2	37.2	43.7	13.5	- 3.5
Communication, electric, gas services	19.6	14.6[h]	20.2	34.0	- 3.2
WHOLESALE TRADE	59.8	59.9	60.8	- .1	- 1.6
RETAIL TRADE	133.2	132.2	136.0	.7	- 2.1
FINANCE, INSURANCE, AND REAL ESTATE	48.3	48.5	48.5	- .5	- .4
Banking	13.1	13.1	13.5	- .7	- 3.4
Insurance carriers	12.1	12.1	12.2	- .1	- .6
SERVICES	198.2	196.1	194.7	1.1	1.8
GOVERNMENT	112.8	115.0	111.8	- 1.9	.8
Federal government	19.2	19.1	19.0	.5	1.1
State government (includes education)	7.1	7.3	7.2	- 3.3	- 1.1
Local government	86.5	88.5	85.7	- 2.3	.9
Local government, except education	46.1	51.2	45.6	- 9.9	1.1
Local government education	40.4	37.3	40.1	8.2	.8

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN CLEVELAND METROPOLITAN AREA[a]
SEPTEMBER 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1983[b]	August 1983[c]	September 1982[c]	Sep. 1983[b]	Aug. 1983[c]	Sep. 1982[c]	Sep. 1983[b]	Aug. 1983[c]	Sep. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$438.05	$427.22	$406.30	41.6	41.0	39.6	$10.53	$10.42	$10.26
Durable Goods[d]	465.36	451.82	427.57	42.0	41.3	39.7	11.08	10.94	10.77
Furniture and fixtures	321.59	312.24	317.98	39.9	38.5	39.5	8.06	8.11	8.05
Primary metal industries	523.75	501.80	498.13	41.9	40.5	39.1	12.50	12.39	12.74
Blast furnace and basic steel products	478.93	450.33	489.28	37.3	35.1	35.2	12.84	12.83	13.90
Iron and steel foundries	690.96	648.19	632.91	47.1	46.2	45.5	14.67	14.03	13.91
Nonferrous foundries	345.51	359.35	320.12	40.6	41.4	38.2	8.51	8.68	8.38
Fabricated metal products	445.82	428.04	400.92	41.9	41.0	39.0	10.64	10.44	10.28
Fabricated structural metal products	358.00	348.93	345.02	40.0	38.9	40.4	8.95	8.97	8.54
Screw machine products, bolts, etc.	432.55	413.71	340.38	42.2	40.8	37.2	10.25	10.14	9.15
Metal forgings and stampings	557.04	521.90	489.46	44.0	42.5	39.6	12.66	12.28	12.36
Machinery, except electrical	426.92	437.38	415.94	40.2	40.8	39.5	10.62	10.72	10.53
Construction and related machinery	495.30	482.80	467.37	40.4	40.0	40.5	12.26	12.07	11.54
Metalworking machinery	406.76	409.11	375.38	39.3	39.3	37.5	10.35	10.41	10.01
Special industry machinery	462.04	475.76	421.29	41.7	42.9	38.9	11.08	11.09	10.83
General industrial machinery	397.23	392.12	378.40	40.7	40.3	38.3	9.76	9.73	9.88
Electric and electronic equipment	396.42	375.65	345.85	40.7	39.5	38.3	9.74	9.51	9.03
Electrical industrial apparatus	357.75	348.79	344.88	36.1	35.7	36.0	9.91	9.77	9.58
Transportation equipment	593.38	580.37	537.07	45.4	45.2	43.0	13.07	12.84	12.49
Motor vehicles and equipment	633.88	624.50	560.73	46.1	46.5	43.1	13.75	13.43	13.01
Instruments and related products	372.32	355.88	339.86	42.6	41.0	41.7	8.74	8.68	8.15
Nondurable Goods[e]	367.64	366.62	343.30	40.4	40.2	39.1	9.10	9.12	8.78
Food and kindred products	393.87	381.60	380.97	41.2	40.9	41.5	9.56	9.33	9.18
Bakery products	410.94	367.99	409.76	41.3	38.9	41.6	9.95	9.46	9.85
Beverages	345.68	346.76	330.79	41.3	40.7	41.4	8.37	8.52	7.99
Apparel and other textile products	271.36	266.73	246.49	38.6	38.6	36.9	7.03	6.91	6.68
Paper and allied products	423.20	409.77	365.12	44.5	43.5	40.3	9.51	9.42	9.06
Printing and publishing	360.36	363.07	359.20	36.0	35.7	36.1	10.01	10.17	9.95
Chemicals and allied products	443.47	440.34	408.44	41.1	41.0	40.4	10.79	10.74	10.11
Industrial inorganic chemicals	453.55	452.38	397.56	38.6	38.5	38.9	11.75	11.75	10.22
Rubber and misc. plastics products	335.98	331.93	295.37	42.8	42.5	39.7	7.85	7.81	7.44
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	710.02	679.13	609.78	38.4	37.5	36.8	18.49	18.11	16.57
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	495.73	484.38	469.94	40.7	39.0	40.2	12.18	12.42	11.69
WHOLESALE TRADE	339.21	343.73	331.43	38.9	39.6	38.9	8.72	8.68	8.52
RETAIL TRADE[f]	171.67	175.53	166.17	28.9	29.5	28.6	5.94	5.95	5.81
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	247.72	246.79	234.94	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Cleveland area is defined as Cuyahoga, Geauga, Lake, and Medina Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [g] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN COLUMBUS METROPOLITAN AREA[a]
SEPTEMBER 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1983[b]	August 1983[c]	September 1982[c]	August 1983	September 1982
TOTAL	502.5	496.8	497.3	1.1	1.0
MANUFACTURING	88.8	88.0	86.5	1.0	2.7
Durable Goods[e]	57.7	56.9	54.6	1.4	5.6
Stone, clay, and glass products	9.4	9.3	9.5	1.1	- .5
Fabricated metal products	10.2	9.9	8.9	3.0	14.1
Machinery, except electrical	10.3	10.3	10.3	.6	.3
Electric and electronic equipment	10.6	10.4	10.9	1.2	- 2.6
Transportation equipment	8.6	8.4	7.0	2.1	21.7
Nondurable Goods[f]	31.2	31.1	31.9	.1	- 2.2
Food and kindred products	10.1	10.1	10.2	.1	- .7
Printing and publishing	7.8	7.8	8.3	- .4	- 6.8
Chemicals and allied products	6.0	6.0	5.9	1.2	1.3
Rubber and misc. plastics products	2.7	2.6	2.7	2.1	.3
NONMANUFACTURING[g]	413.7	408.8	410.8	1.2	.7
CONSTRUCTION	15.5	15.4	16.3	.7	- 5.2
TRANSPORTATION AND PUBLIC UTILITIES	22.3	19.5	23.4	14.5	- 4.9
Communication, electric, gas services	10.6	7.9[h]	11.2	34.6	- 5.3
WHOLESALE TRADE	27.4	27.3	27.2	.1	.7
RETAIL TRADE	94.0	93.4	93.7	.6	.3
FINANCE, INSURANCE, AND REAL ESTATE	43.3	43.2	41.5	.4	4.3
Banking	8.6	8.6	8.2	.7	4.9
Insurance carriers	17.6	17.7	17.7	- .3	- .2
SERVICES	113.6	113.0	111.0	.6	2.3
GOVERNMENT	96.9	96.4	96.9	.5	.0
Federal government	11.3	11.2	11.4	.8	- .7
State government	44.1	44.0	44.4	.3	- .7
State government, except education	28.0	28.4	28.7	- 1.3	- 2.3
State government education[i]	16.1	15.6	15.7	3.2	2.3
Local government	41.5	41.2	41.1	.5	.8
Local government, except education	18.3	21.1	17.7	- 13.5	3.1
Local government education	23.2	20.1	23.4	15.3	- .9

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes. [i] Includes State Universities, State Schools for Deaf and Blind, and the State Library. Excludes hospitals, the agricultural extension service, agricultural research centers, and departments coordinating and administering education programs (notably, the Ohio Department of Education).

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN COLUMBUS METROPOLITAN AREA[a]
SEPTEMBER 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1983[b]	August 1983[c]	September 1982[c]	Sep. 1983[b]	Aug. 1983[c]	Sep. 1982[c]	Sep. 1983[b]	Aug. 1983[c]	Sep. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$410.64	$402.98	$376.91	40.9	40.5	39.8	$10.04	$ 9.95	$ 9.47
Durable Goods[d]	432.00	419.80	392.40	41.3	40.6	40.0	10.46	10.34	9.81
Stone, clay, and glass products	382.93	379.99	372.91	39.6	39.5	40.8	9.67	9.62	9.14
Fabricated metal products	518.93	491.59	448.27	42.5	41.0	39.6	12.21	11.99	11.32
Machinery, except electrical	377.87	383.16	374.74	40.5	41.2	40.6	9.33	9.30	9.23
Electric and electronic equipment	447.87	426.70	392.04	44.3	42.5	40.5	10.11	10.04	9.68
Transportation equipment	511.20	520.70	465.34	42.6	43.5	41.4	12.00	11.97	11.24
Nondurable Goods[e]	364.80	369.77	348.08	40.0	40.5	39.6	9.12	9.13	8.79
Food and kindred products	359.92	370.82	360.32	40.9	41.9	41.8	8.80	8.85	8.62
Printing and publishing	440.40	429.39	397.94	37.9	37.6	37.4	11.62	11.42	10.64
Chemicals and allied products	415.72	425.80	389.91	40.4	41.3	40.7	10.29	10.31	9.58
Rubber and misc. plastics products	314.22	306.25	302.54	43.4	42.3	41.5	7.24	7.24	7.29
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	488.07	488.25	505.97	37.4	37.5	38.1	13.05	13.02	13.28
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	.....	....	....	....	....
Communication, electric, gas services	479.12	451.94	456.86	40.5	38.3	39.9	11.83	11.80	11.45
WHOLESALE TRADE	296.74	304.13	310.47	39.2	39.6	39.5	7.57	7.68	7.86
RETAIL TRADE[f]	166.62	168.00	154.12	29.7	30.0	28.7	5.61	5.60	5.37
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
Banking	237.76	238.73	226.49	....	....	....	....	....	....
Insurance carriers	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Federal government	......	......	......	....	....	....	....	....	....
State government	......	......	......	....	....	....	....	....	....
State government, except education	......	......	......	....	....	....	....	....	....
State government education	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Columbus area is defined as Delaware, Fairfield, Franklin, Madison, and Pickaway Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN DAYTON METROPOLITAN AREA[a]
SEPTEMBER 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1983[b]	August 1983[c]	September 1982[c]	August 1983	September 1982
TOTAL	339.7	330.8	338.9	2.7	.2
MANUFACTURING	88.8	86.6	87.6	2.5	1.4
Durable Goods[e]	61.5	59.8	61.5	2.8	.0
Stone, clay, and glass products	2.1	2.1	1.9	1.5	10.9
Fabricated metal products	6.9	6.8	6.5	1.3	5.8
Machinery, except electrical	28.7	27.5	29.5	4.2	- 2.7
Metalworking machinery	6.0	5.9	6.6	1.6	- 8.0
Electric and electronic equipment	4.5	4.6	4.7	- 1.8	- 3.9
Electrical industrial apparatus	2.6	2.6	2.8	.2	- 5.5
Transportation equipment	13.3	12.9	13.1	2.7	1.5
Nondurable Goods[f]	27.3	26.8	26.1	1.9	4.6
Food and kindred products	3.0	3.0	3.0	1.5	1.5
Paper and allied products	5.3	5.3	5.2	1.0	2.9
Printing and publishing	7.4	7.4	7.3	1.0	2.2
Rubber and misc. plastics products	8.0	7.7	7.4	3.6	7.8
NONMANUFACTURING[g]	250.9	244.2	251.4	2.7	- .2
CONSTRUCTION	9.9	9.8	10.2	.7	- 2.7
TRANSPORTATION AND PUBLIC UTILITIES	12.4	11.2	12.9	10.6	- 4.2
Communication, electric, gas services	5.8	4.6[h]	6.6	24.3	- 12.2
WHOLESALE TRADE	16.6	16.5	16.7	.5	- .7
RETAIL TRADE	55.1	54.6	55.9	.9	- 1.4
FINANCE, INSURANCE, AND REAL ESTATE	13.7	13.8	13.5	- .6	1.4
SERVICES	77.6	75.9	75.9	2.3	2.3
GOVERNMENT	65.3	62.1	66.0	5.2	- 1.0
Federal government	26.1	26.3	26.8	- .8	- 2.6
State government (includes education)	5.4	5.3	5.0	1.6	7.9
Local government	33.8	30.5	34.2	10.9	- 1.1
Local government, except education	13.1	13.4	13.0	- 1.7	1.2
Local government education	20.7	17.1	21.2	20.9	- 2.5

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Dayton area is defined as Greene, Miami, Montgomery, and Preble Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; primary metal industries; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN TOLEDO METROPOLITAN AREA[a]
SEPTEMBER 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1983[b]	August 1983[c]	September 1982[c]	August 1983	September 1982
TOTAL	287.5	279.5	285.2	2.9	.8
MANUFACTURING	72.0	70.5	70.1	2.1	2.7
Durable Goods[e]	54.9	54.4	53.6	.9	2.4
Stone, clay, and glass products	11.7	11.7	11.9	- .2	- 2.3
Primary metal industries	3.9	3.9	3.8	1.1	4.1
Fabricated metal products	8.1	7.9	7.3	2.8	10.7
Metal forgings and stampings	4.0	3.7	3.4	9.1	18.9
Machinery, except electrical	5.7	5.6	6.3	2.0	- 9.8
General industrial machinery	1.5	1.5	1.7	.8	- 13.5
Transportation equipment	18.0	17.9	16.7	.4	7.6
Motor vehicles and equipment	16.8	16.7	15.5	.3	8.4
Nondurable Goods[f]	17.1	16.2	16.5	6.0	3.7
Food and kindred products	5.1	4.4	5.0	16.4	3.0
Rubber and misc. plastics products	3.9	3.8	3.3	4.6	19.9
NONMANUFACTURING[g]	215.5	209.0	215.1	3.1	.2
CONSTRUCTION	10.8	10.9	11.8	- 1.1	- 8.4
TRANSPORTATION AND PUBLIC UTILITIES	17.5	16.6	18.2	5.2	- 4.0
Communication, electric, gas services	7.4	6.6[h]	7.7	12.0	- 3.7
WHOLESALE TRADE	14.3	14.2	14.5	.3	- 1.7
RETAIL TRADE	49.7	49.7	50.5	- .2	- 1.8
FINANCE, INSURANCE, AND REAL ESTATE	11.1	11.1	10.8	.1	3.0
SERVICES	66.3	66.1	64.4	.4	3.0
GOVERNMENT	45.3	39.8	44.4	14.0	2.1
State government (includes education)	13.6	11.2	13.4	21.1	1.1
Local government	29.0	25.8	28.2	12.4	2.9
Local government, except education	11.8	11.9	11.1	- .3	6.3
Local government education	17.2	14.0	17.1	23.3	.7

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [f] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN TOLEDO METROPOLITAN AREA[a]
SEPTEMBER 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1983[b]	August 1983[c]	September 1982[c]	Sep. 1983[b]	Aug. 1983[c]	Sep. 1982[c]	Sep. 1983[b]	Aug. 1983[c]	Sep. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$485.83	$479.25	$456.87	43.3	42.6	41.8	$11.22	$11.25	$10.93
Durable Goods[d]	510.26	499.36	472.27	43.5	42.9	41.5	11.73	11.64	11.38
Stone, clay, and glass products	488.92	483.36	486.18	42.7	42.7	43.8	11.45	11.32	11.10
Primary metal industries	487.59	484.47	408.03	45.1	44.9	40.6	10.81	10.79	10.05
Fabricated metal products	487.38	457.52	438.19	43.4	42.6	40.8	11.23	10.74	10.74
Metal forgings and stampings	536.59	518.63	471.64	44.2	43.4	39.7	12.14	11.95	11.88
Machinery, except electrical	438.24	437.06	415.51	41.5	41.0	39.8	10.56	10.66	10.44
General industrial machinery	499.15	493.85	462.64	41.7	41.5	40.3	11.97	11.90	11.48
Transportation equipment	581.24	579.47	551.55	44.0	43.8	42.2	13.21	13.23	13.07
Motor vehicles and equipment	579.04	577.28	552.82	43.9	43.7	42.2	13.19	13.21	13.10
Nondurable Goods[e]	405.55	408.93	408.41	42.6	41.6	42.9	9.52	9.83	9.52
Food and kindred products	423.20	449.07	436.75	45.9	44.2	48.1	9.22	10.16	9.08
Rubber and misc. plastics products	331.68	320.19	321.75	40.4	39.0	39.0	8.21	8.21	8.25
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	606.94	627.52	575.75	36.3	37.0	35.0	16.72	16.96	16.45
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	492.89	502.53	466.16	41.7	41.6	40.5	11.82	12.08	11.51
WHOLESALE TRADE	338.42	334.46	339.19	38.5	38.4	38.5	8.79	8.71	8.81
RETAIL TRADE[f]	164.87	164.28	160.52	29.6	29.6	29.4	5.57	5.55	5.46
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
State government (includes education)	......	......	......	....	....	....	....	....	....
Local government	......	......	......	....	....	....	....	....	....
Local government, except education	......	......	......	....	....	....	....	....	....
Local government education	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U. S. Bureau of Labor Statistics. Toledo area is defined as Fulton, Lucas, Ottawa, and Wood Counties, Ohio; and Monroe County, Michigan. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; electric and electronic equipment; instruments and related products; miscellaneous manufacturing. [e] Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NONAGRICULTURAL WAGE AND SALARY EMPLOYMENT IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
SEPTEMBER 1983

Industry	Employment (in thousands)			Percent Change From[d]	
	September 1983[b]	August 1983[c]	September 1982[c]	August 1983	September 1982
TOTAL	186.4	181.3	182.4	2.8	2.2
MANUFACTURING	56.8	54.3	52.8	4.6	7.6
Durable Goods[e]	51.6	49.2	47.7	4.9	8.1
Stone, clay, and glass products	2.0	1.9	1.6	5.9	30.3
Primary metal industries	23.7	23.3	22.4	1.8	6.1
Blast furnace and basic steel products	9.7	9.7	9.8	.1	- .8
Fabricated metal products	8.8	8.8	8.1	- .1	8.7
Fabricated structural metal products	2.3	2.4	2.4	- 5.0	- 2.1
Machinery, except electrical	3.6	3.5	4.7	1.8	- 24.0
Metalworking machinery	1.5	1.4	2.5	4.0	- 39.4
Electric and electronic equipment	2.6	2.1	2.5	22.5	4.9
Transportation equipment	9.4	8.0	6.7	16.5	39.8
Nondurable Goods[f]	5.2	5.1	5.1	2.3	2.9
NONMANUFACTURING[g]	129.6	127.0	129.6	2.0	.0
CONSTRUCTION	5.4	5.4	5.9	1.2	- 7.3
TRANSPORTATION AND PUBLIC UTILITIES	7.9	7.3	8.3	7.5	- 5.0
Communication, electric, gas services	3.2	2.7[h]	3.3	18.6	- 3.2
WHOLESALE TRADE	8.0	8.0	8.1	.1	- 1.3
RETAIL TRADE	34.9	34.7	36.3	.3	- 3.8
FINANCE, INSURANCE, AND REAL ESTATE	7.3	7.3	7.1	- .3	2.3
SERVICES	42.0	41.3	40.5	1.7	3.5
GOVERNMENT	23.1	21.9	22.3	5.3	3.3
Local government (includes education)	18.3	17.0	17.6	7.8	4.0

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Based on March 1982 benchmark. Includes full and part-time wage and salaried workers employed during pay periods which include the 12th of the month. Excludes self-employed, domestics, and armed forces. Subtotals may not add to totals, because of rounding or exclusion of minor groups. [b] Preliminary. [c] Revised. [d] Based on unrounded figures. [e] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [g] Includes mining. [h] Depressed due to labor-management disputes.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

HOURS AND GROSS EARNINGS OF PRODUCTION OR NONSUPERVISORY WORKERS IN YOUNGSTOWN-WARREN METROPOLITAN AREA[a]
SEPTEMBER 1983

Industry	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	September 1983[b]	August 1983[c]	September 1982[c]	Sep. 1983[b]	Aug. 1983[c]	Sep. 1982[c]	Sep. 1983[b]	Aug. 1983[c]	Sep. 1982[c]
TOTAL	......	......	......	....	....	....	....	....	....
MANUFACTURING	$523.25	$505.93	$464.13	42.3	41.3	39.5	$12.37	$12.25	$11.75
Durable Goods[d]	538.89	519.58	479.95	42.6	41.5	39.6	12.65	12.52	12.12
Stone, clay, and glass products	358.27	356.29	323.39	40.3	39.5	37.3	8.89	9.02	8.67
Primary metal industries	541.99	522.29	480.19	41.5	40.3	36.6	13.06	12.96	13.12
Blast furnace and basic steel products	505.06	500.58	496.31	39.8	39.2	35.4	12.69	12.77	14.02
Fabricated metal products	607.05	586.53	452.00	45.1	44.3	39.1	13.46	13.24	11.56
Fabricated structural metal products	404.79	415.91	353.60	39.3	39.8	37.3	10.30	10.45	9.48
Machinery, except electrical	441.32	437.04	417.28	37.4	37.1	36.7	11.80	11.78	11.37
Metalworking machinery	443.05	449.64	435.09	37.9	38.3	37.9	11.69	11.74	11.48
Electric and electronic equipment	383.80	393.19	390.31	40.4	41.0	40.7	9.50	9.59	9.59
Transportation equipment	606.44	566.31	640.93	45.7	43.9	49.8	13.27	12.90	12.87
Nondurable Goods[e]	343.49	353.46	330.19	38.9	39.1	38.8	8.83	9.04	8.51
NONMANUFACTURING	......	......	......	....	....	....	....	....	....
CONSTRUCTION	572.69	563.47	546.21	36.9	36.4	35.7	15.52	15.48	15.30
TRANSPORTATION AND PUBLIC UTILITIES	......	......	......	....	....	....	....	....	....
Communication, electric, gas services	457.65	440.61	436.51	40.5	39.2	39.9	11.30	11.24	10.94
WHOLESALE TRADE	327.79	320.23	316.32	36.1	35.9	36.4	9.08	8.92	8.69
RETAIL TRADE[f]	168.67	168.04	157.93	29.8	29.9	29.3	5.66	5.62	5.39
FINANCE, INSURANCE, AND REAL ESTATE	......	......	......	....	....	....	....	....	....
SERVICES	......	......	......	....	....	....	....	....	....
GOVERNMENT	......	......	......	....	....	....	....	....	....
Local government (includes education)	......	......	......	....	....	....	....	....	....

---

[a] Estimated in cooperation with U.S. Bureau of Labor Statistics. Youngstown-Warren area is defined as Mahoning and Trumbull Counties. Data relate to full and part-time production workers in manufacturing (nonsupervisory employees in nonmanufacturing) employed during pay periods which include the 12th of the month. Average earnings are computed from gross payroll before tax and other deductions. Includes pay for overtime, incentive bonuses paid regularly, holidays, vacations, and sick leave. Excludes special bonuses, retroactive pay, and payments in kind. [b] Preliminary. [c] Revised. [d] Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [e] Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and misc. plastics products; leather and leather products. [f] Money payments only, tips not included. [h] Low due to labor-management disputes during part of pay period.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216

NOTES ON OHIO EMPLOYMENT, HOURS, AND EARNINGS ESTIMATES

Civilian Labor Force Estimates

Civilian Labor Force.—Estimated number of workers 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed.—Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Estimates of self-employed, domestics, and unpaid family workers based on data from U.S. Department of Labor and Bureau of the Census. Agricultural worker estimates derived from information supplied by U.S. Department of Agriculture. Estimates of workers involved in labor disputes based in part upon data from Federal Mediation and Conciliation Service. Employment distributed by place of residence.

Total Unemployed.—Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection.—Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Division of Research and Statistics of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification.—Employer establishments classified by industry on basis of their principal product or service. The Standard Industrial Classification Manual (U.S. Office of Management and Budget, Washington, D. C., 1972, amended 1977) used for classification.

Coverage.—Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 8,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample

Industry Division	Approximate Percentage Covered by Sample
Total	43
Manufacturing	62
Nonmanufacturing	35
Mining	63
Construction	24
Transportation and Public Utilities	47
Wholesale Trade	19
Retail Trade	18
Finance, Insurance, and Real Estate	47
Services and Miscellaneous	21
Government	68

Nonagricultural Employment.—Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method.—Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\underset{\text{(current month)}}{\text{Total Employment}} = \underset{\text{(previous month)}}{\text{Total Employment}} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data.—Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area, compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law.

Hours and Earnings

Method of Computing Averages.—Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions.—Definitions of production or similar workers, payroll, and hours—from which average hours and earnings data are derived—follow:

Production Workers.—Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers.—Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll.—Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for social security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours.—Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Division of Research and Statistics
Ohio Bureau of Employment Services
Columbus 43216